

GoToMyPC[®]

GoToMyPC[®]
Reporting Services API

Developer's Guide

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Overview of GoToMyPC API Offerings

The GoToMyPC Corporate Application Programming Interface (API) offerings provide the ability to integrate the management functions and reporting data of your GoToMyPC Corporate accounts with your account administration and reporting applications. These Web Services APIs enable you to programmatically access your GoToMyPC Corporate accounts using standard web services technologies, including HTTPS, XML, SOAP and WSDL. There are two separate GoToMyPC Corporate API offerings available:

- **GoToMyPC Reporting API:** These API calls enable you to programmatically access report data from your GoToMyPC Corporate account. Examples of report data include user and guest activities, host and connection information and feature settings.
- **GoToMyPC Administrator API:** These API calls provides the ability to programmatically create, modify and delete users and groups in your GoToMyPC Corporate account.

This developer's guide describes the API calls for the GoToMyPC Reporting API offering. The GoToMyPC Administrator API calls are described in the **GoToMyPC Administrator API Developers Guide**. Both guides include a description of the API calls common to both offerings.

GoToMyPC Reporting API Overview

The GoToMyPC Corporate Reporting Application Programming Interface (API) provides seamless integration of GoToMyPC Corporate reports and session data with your support environment. Accessing your GoToMyPC Corporate session information through the GoToMyPC Reporting API enables you to save and maintain this information long term within your own local applications and provides you with the ability to create your own integrated reports. The data you are able to access programmatically is the same data you find in your current GoToMyPC Corporate online reports.

Benefits

Maintaining your GoToMyPC Corporate session information locally allows you to create your own reports and review system access. You can monitor your GoToMyPC Corporate usage from within your own systems and combine the GoToMyPC Corporate reports with data you track from your other applications to create a more comprehensive view of your environment.

Through these APIs you have the ability to:

- View GoToMyPC Corporate activities and activity history within your local applications without going to the GoToMyPC Corporate Administration Center.
- Download and save the GoToMyPC Corporate session information in your own applications or data warehouses. Storing and protecting the data within your own sites helps you satisfy the requirements of such government acts as the Gramm-Leach-Bliley Act, the Health Insurance Portability and Accountability Act, USA Patriot Act Customer Identification Program and the Sarbanes-Oxley Act.
- Create custom reports using the downloaded GoToMyPC Corporate data by incorporating data from your other systems and using your own reporting or business intelligence applications.

Example Implementations

The most common application of the GoToMyPC Reporting Web Services API is to produce specialized reports against your organizations GoToMyPC data, and store or track GoToMyPC usage.

Availability

The GoToMyPC Administrator Web Services API is available to Corporate GoToMyPC Corporate v5 and v6 customers.

For security reasons, by default the GoToMyPC Reporting Web Services API is disabled for all companies. Contact your GoToMyPC Account Manager to have the GoToMyPC Reporting Web Services API enabled for your company.

Protocol Description

The G2P_API protocol is based on web services standards. These standards specify the different pieces used to build a web service. This section describes the G2P_API protocol by providing references to relevant standards and detailed information on the G2P_API interface.

HTTP

A transport protocol is required to transmit requests and receive responses from G2P_API. Although the protocol is not specified in the web services standards, typically, and in the case of G2P_API, the Hypertext Transport Protocol (HTTP) is used. Each request to and response from G2P_API is transmitted using HTTPS (HTTP over SSL) and must contain the appropriate HTTP headers. For more information on HTTP see <http://www.w3.org/Protocols/>

It is important to note that the G2P_API Web Service will only accept requests that are encrypted using SSL. This means that any request made over unencrypted HTTP will result in an HTTP response 403 (Forbidden) error.

Calls to the G2P_API Web Service should be made using the following URL:
https://www.gotomypc.com/services/G2P_API

This link is intended to receive requests from a SOAP Web Services Client.

XML

The Extensible Markup Language (XML) is a text format that is used in the web services standards to encode data. The content of each HTTP message to and from G2P_API is an XML document. For more information on XML see <http://www.w3.org/XML/>

SOAP

The Simple Object Access Protocol (SOAP) is a lightweight XML based protocol. The web services standards specify that calls to a web service be encoded using SOAP. The SOAP responses are formatted as SOAP v1.1 compliant messages. For more information on SOAP see <http://www.w3.org/TR/SOAP>.

Note: All responses from the G2P_API are encoded in SOAP v1.1

In each SOAP message XML namespaces are defined for the various attributes and elements of the XML document. G2P_API defines the following namespaces:

Table 1 Namespaces

Namespace	Value
targetNamespace	G2P_API
xmlns:impl	G2P_API
xmlns:intf	G2P_API
xmlns:apachesoap	http://xml.apache.org/xml-soap
xmlns:wsdsoap	http://schemas.xmlsoap.org/wsd/soap/
xmlns:soapenc	http://schemas.xmlsoap.org/soap/encoding/
xmlns:xsd	http://www.w3.org/2001/XMLSchema
xmlns:wSDL	http://schemas.xmlsoap.org/wsd/
<p>The following namespace is not added to the WSDL by the Axis 1.3 WSDL generator. However, many SOAP clients, and skeleton compilers require it. If you are having problems importing the WSDL into your application, try adding the following namespace to the <wSDL:definitions /> tag.</p>	
xmlns	http://schemas.xmlsoap.org/wsd/

WSDL

The web services standards specify the XML based Web Services Description Language (WSDL) to be used to define the interface for a web service. Each web service has a corresponding WSDL document that describes the available messages, operations, and data types. For more information on WSDL see: <http://www.w3.org/TR/wsd/>

The WSDL for G2P_API describes thirty eight calls in the following groups:

- Common API Calls: **logon**, **logoff**, **setCompanyId**, **getCompanies**, **getGroup**, **getGroups**, **getManager**, **getUser**, **getUserByEmail**, and **getUsers**. For a description of these calls see [Common API Calls](#).
- Reporting API Calls: **getUsersByHost**, **getHost**, **getHosts**, **getHostsByUser**, **getConnections**, **getGuestConnections**, **getLogin**, **getLoginsByUser**, **getUserEvents**, **getUserEventsByUser**, **getCompanyFeatures**, **getGroupFeatures**, **getUserFeatures**, **getGuestInvites**, **getGuestInvitesByUser**, **getHostAuthEvents** and **getWebAuthEvents**. For a description of these calls see [Reporting API Calls](#).
- Administrator API Calls: **createGroup**, **updateGroup**, **deleteGroup**, **inviteGroupManager**, **createGroupManager**, **updateGroupManager**, **deleteGroupManager**, **inviteUser**, **createUser**, **updateUser**, and **deleteUser**. For a description of these calls see the **GoToMyPC Administrator API Developers Guide**.

The latest version of the WSDL file is included in the zip file as: **G2P_API.wsdl**

Or, it can be downloaded from the following URL:

https://www.gotomypc.com/services/G2P_API?wsdl

Data Types

In addition to the standard data types defined for SOAP messages, G2P_API uses nine additional data types. The definitions of these types, and arrays of these types, are found in the WSDL.

Member

A Member data object contains all externally available information about a G2P member. Member data objects may contain member data for a manager, or a user. Since only users have the connection count property, it will be empty for managers.

The values are as follows:

Table 2 Member structure

Member	Data Type	Description
id	String	Unique member identifier
email	String	Email address
firstName	String	First name
middleName	String	Middle Name
lastName	String	Last name
company	String	Company name
jobtitle	String	Job title
address1	String	Address part1
address2	String	Address part2
city	String	City
state	String	State
zipCode	String	Zip code
country	String	Country
phoneNumber	String	Phone number
timeZone	String	Time zone
status	String	User status. Possible values are (Inactive, Active, Suspended, Unknown)
userSince	String	The member has been a user since this date
activeSince	String	The member has been active since this date
passwordChangeDate	String	The last time the member password was changed
lastLoginId	Long	Login id of the last member login
loginCount	Long	Number of logins
failedLoginCount	Long	Number of failed logins
connectionCount	Long	Number of connections
lockoutUntil	String	the date until the member is locked out

Group

A Group data object contains all externally available information about a G2P group or company.

The values are as follows:

Table 3 Group structure

Group Member	Data Type	Description
id	String	Unique group identifier
parentId	String	Group identifier of the parent group (null for companies)
name	String	Group name
pcCount	Long	Number of PC's in this group
totalPcCount	Long	Number of PC's in this group and subgroups

Host

A Host data object contains all externally available information about G2P host machines.

The values are as follows:

Table 4 Host structure

Host Member	Data Type	Description
id	String	Unique host identifier
name	String	Host name
status	String	Host status. Possible values are (Inactive, Active, Deleted, Unknown)
isOnline	Bool	Host online status (true or false)
isShared	Bool	Host shared status (true or false)
ownerId	String	Id of the host's owner
internalIP	String	The internal IP address
externalIP	String	The external IP address
physicalId	String	The physical machine identifier
lastTimeOnlineChange	String	Last time the host online status changed (online/offline)
createDate	String	The date the host was created
deleteDate	String	The date the host was deleted
launcherVersion	String	G2P version and build number

Connection

A Connection data object contains all externally available information about G2P connections to host machines.

The values are as follows:

Table 5 Connection structure

Connection Member	DataType	Description
type	String	Connection type. Possible values are (Normal, Guest)
status	String	Connection status. Possible values are (Successful, Failed)
startTime	String	The connection start time
duration	String	How long the connection lasted
userId	String	The user the connection belongs to
groupId	String	The group id the connection belongs to
hostId	String	Id of the host the connection belongs to
remoteIP	String	The remote IP address
guestEmail	String	Empty if normal connection

GuestInvite

A GuestInvite data object contains all externally available information about G2P member invitations.

The values are as follows:

Table 6 GuestInvite structure

GuestInvite Member	DataType	Description
status	Status	Invitation status as string (Unused, Accepted, Rejected, Canceled)
createTime	String	Time the guest invitation was created
expirationTime	String	Time the guest invitation expires
guestEmail	String	The email of the invited guest
userId	String	The user id of the user that invited the guest
hostId	String	The host id of the host that the guest was invited to

Login

A Login data object contains information about G2P login events. Login related information is also part of the Member data type (login count, last login, failed login count, etc).

The values are as follows:

Table 7 Login structure

Login Member	Data Type	Description
loginTime	String	Time the login occurred
logoutTime	String	Time the logout occurred
userId	String	The id of the user who logged in
remoteIP	String	The IP address the login originated from
autoLogin	String	String represents a Boolean indicating if autoLogin was used. Possible values (True, False)

AuthEvent

An AuthEvent data object contains information about G2P events involving hosts or password changed/lockout events for users.

The values are as follows:

Table 8 AuthEvent structure

AuthEvent Member	Data Type	Description
time	String	Time the event occurred
type	String	The type of event as string (Host Hard Lockout, Host Soft Lockout, Access Code Change, Expired Access Code, Web Site Password Expired, Web Site Password Changed, Web Site Soft Lockout, Web Site Hard Lockout)
description	String	The event details if available

UserEvent

A UserEvent data object contains all externally available information about G2P events such as moving users to different groups, adding, suspending, deleting users, and changing access codes.

The values are as follows:

Table 9 UserEvent structure

UserEvent Member	Data Type	Description
time	String	Time the event occurred
userId		The user that was affected by the event
managerId	String	The manager who executed the change
type	String	The type of event as string (Suspend, Unsuspend, Add, Delete, Moved Out, Moved In, Change User Name, Change Account Password, Change Access Code)
groupId	String	The group the event belonged to
hostId	String	The host effected by the event (for change access code type only)

Features

A Features data object contains all externally available information about G2P features for the company, groups or users. If no features are defined for the group or user to overwrite company features, the values for the data object properties returned for groups or users are empty.

The values are as follows:

Table 10 Features structure

Features Member	Data Type	Description
id	String	The group or user id that the features belong to
accessTimes	String	Allowed user access times (e.g. M01-M05,T01-05)
acExpirePeriod	String	Access Code expiration period. Possible values (-1, 10-120) -1 means the access code never expires, and any number 10-120 indicates users are forced to change their access code every x number of days.
acHardLockoutAttempts	String	Access Code hard lockout attempts
acHistorySize	String	Host Access Code Reusability
acNotificationPeriod	String	Host Access Code Expiration Notification Period
acSoftLockoutMinutes	String	Host Access Code Soft Lockout Minutes
authenticationPolicy	String	Authentication Policy
chat	String	Chat
desktopShortcut	String	Desktop Shortcut
enableSharedClipboard	String	Shared Clipboard
fileTransfer	String	File Transfer
forceBlankHost	String	Blank Out Host While Connected
forceLockHost	String	Lock Host Upon Disconnection
forceLockMouseKeyboard	String	Lock Host KB/Mouse
inactivityTimeoutMax Value	String	Max Inactivity Timeout Minutes. The maximum number of minutes or -1 for unlimited.
inactivityTimeoutVisible	String	Show Inactivity Timeout
inviteGuest	String	Invite Guest
ntEventLogging	String	NT Log Captures Events
groupPCLimit	String	Max PCs for groups
pcMaxValue	String	Max PC's total
pwExpirePeriod	String	Account Password Expiration Period. Possible values (-1, 10-120) -1 means the password never expires, and any number 10-120 indicates users are forced to change their password every x number of days.
pwHardLockoutAttempts	String	Account Password Hard Lockout Attempts
pwHistorySize	String	Account Password Reusability
pwNotificationPeriod	String	Account Password Expiration Notification Period
pwSoftLockoutMinutes	String	Account Password Soft Lockout Minutes
remote Printing	String	Remote Printing
whiteboard	String	Whiteboard
color24Bit	String	24 bit color
inSessionReboot	String	In session reboot
sharedAccess	String	Host shared access

Note: All date/time values sent or received through the G2P_API Web Service are in the time zone assigned for your company.

Calls

Each call to G2P_API consists of a request and a response. Every request must contain the appropriate HTTP Headers and a SOAP message. The SOAP message must contain all parts required by the specification, including the envelope and a request defined in the WSDL. Every successful response will contain the appropriate HTTP Headers and a complete SOAP message.

Connections

In G2P_API, a connection is defined as a contiguous period of time during which the client has been authenticated by the service and can successfully make non-**logon** requests.

A ConnectionID is a random string that uniquely identifies each connection. A connection is created and a ConnectionID generated when a client successfully makes a **logon** request. A valid ConnectionID is a required parameter for every request except **logon**.

A connection is terminated and its ConnectionID invalidated when one of two things happen:

1. The client issues a logoff call.
2. The client issues no call for 15 minutes, and the connection times out.

Once a connection is terminated, a new connection must be created before non- **logon** requests can be issued.

Rate Limit

A WSAPI client may only make a certain number of calls per second. If this rate is exceeded, a RateLimitExceeded fault will be thrown. You may not make additional calls for one (1) second after this exception. The approximate limit is ~ 20 calls per second.

Concurrent Connections

The G2A_API allows up to 10 concurrent connections per account. This means that you can login to the API from up to 10 separate computers, or applications using the WSAPI without affecting the login status of any other session. If you exceed this limit, when making the logon call, you will receive a fault, which notifies you that you've exceeded this limit.

Faults

If a call request is unsuccessful, the normal response will not be returned. Instead a SOAP Fault will be returned. Faults consist of two parts: A fault code and a fault string. The fault code identifies the error and the fault string provides a brief human readable description of what went wrong.

G2P_API defines faults in addition to the faults defined in the SOAP specification. All the G2P_API faults can be classified into two groups. Common Faults can occur during any call and may not be specifically related to the call. Call Specific Faults occur only in the context of a specific call. The descriptions of Call Specific Faults are listed with each call in the API Calls section.

Table 11 Common Faults

Fault Code	Description
Server	An unknown error occurred on the G2P web service.
Server.Authentication	An unknown error occurred on the G2P web service while trying to authenticate the request.
Client.Authentication.NotAuthorized	<ul style="list-style-type: none"> The connection has been terminated WSAPI access not enabled by an admin The API method is not part of the companies WSAPI feature level The company is not active
Client.RateLimitExceeded	You have made too many requests too frequent. By default, one request per second is allowed. Please wait at least one second before your next request.
Client.MissingParameter.ConnectionId	Every request except the logon request needs to supply a valid ConnectionId
Client.InvalidParameter.ConnectionId	You have supplied an invalid ConnectionId
Client.MethodNotSupported	The method exists but is not supported in the version the client is authenticated with.

Date Range Considerations

For all methods that allow an optional date range the following is true:

- If no date range is specified, the data for today is returned.
- The start date cannot be more than 60 days before the current date.
- If the start date and end date are the same day, the results returned are inclusive. So only data, which occurred from the beginning, to the end of that day.
- If the start date is in the past, and the end date is in the past or is the current date, the results returned include the starting day “until” the end day. In other words, the end day is not included.

Example:

If we assume that the current date (today) is 02/09/2006 and we want a report from Jan 1st that includes today's date we will need to do this in 2 queries:

First: (returns activity from 01/01/2006 up until (not including) 02/09/2006)

Start: 01/01/2006

End: 02/09/2006

Second: (returns activity on 02/09/2006)

Start: 02/09/2006

End: 02/09/2006

Common API Calls

logon

Description

The logon call authenticates the user and establishes a connection for issuing further requests. The successful result of this call is a ConnectionID, a unique string used in all other requests to identify the connection.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 12 logon Request Parameters

Name	Description
email	G2P Manager email address. Required
password	The Manager password. Required.
version	Protocol version number. Required. Version "2.0" Supports both Administrator API and Reporting API. Version "1.0" may be used if only the Reporting API calls are to be used.

Response

If the correct version number is supplied and the user is successfully authenticated, this call returns a string ConnectionID that uniquely identifies the connection. (See [Connections](#))

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a logon request:

Security

If the logon call is made, with incorrect credentials 3 times, it will result in a soft lockout of 5 minutes.

Table 13 logon Specific Faults

Fault Code	Description
Client.MissingParameter.Email	Missing Email Parameter
Client.MissingParameter.Password	Missing Password Parameter
Client.MissingParameter.Version	Missing version parameter
Client.InvalidParameter.Version	Invalid version parameter. Currently the only valid value is "1.0"
Client.Authentication.SoftLockout	3 failed logon attempts resulted in a 5 minute soft lockout
Client.Authentication.SessionLimitExceeded	Manager exceeded the number of allowed concurrent sessions.

logoff

Description

The **logoff** call ends a connection and invalidates the ConnectionID. (See [Connections](#))

Request

In addition to the headers required for all requests (See [Calls](#)), the only required parameter is a valid ConnectionID (See [Connections](#)).

Table 14 logoff Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.

Response

No values are returned if this call is successful.

Faults

Only the common faults and connection faults (See [Faults](#)) are applicable to the **logoff** request.

setCompanyId

Description

The **setCompanyId** method sets the companyId for subsequent WSAPI calls and allows switching between multiple companies without a logoff/logon. The companyId is obtained by calling the getCompanies method and use the Id property value of the desired data object. If the company belonging to the companyId is not active or does not have WSAPI access enabled, the Client.InvalidParameter.CompanyId fault is returned.

This call is only required for managers which manage multiple companies. For managers who only manage one company, the companyId for their session is set automatically upon login.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 15 setCompanyId Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
companyId	An Id for the company to be used in subsequent requests. Required

Response

No values are returned if this call is successful.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **setCompanyId** request:

Table 16 setCompanyId Specific Faults

Fault Code	Description
Client.InvalidParameter.CompanyId	Invalid companyId parameter.

getCompanies

Description

The **getCompanies** call returns an array of **Group** data objects (See [DataTypes](#)) containing all accessible data for the company. For most managers the returned array is of size 1, since most managers only manage one company.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 17 getCompanies Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.

Response

If this call is successful it returns an array of **Group** data objects (See [DataTypes](#)) corresponding to the companies the current manager can access.

Faults

Only the common faults and connection faults (See [Faults](#)) are applicable to the **getCompanies** request.

getGroup

Description

The **getGroup** call returns an array of **Group** data objects (See [DataTypes](#)) containing all accessible group data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 18 getGroup Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Required
subGroups	A Boolean value. True if group data for all subgroups of specified groupId is desired, False otherwise. Required

Response

If this call is successful it returns an array of **Group** data objects (See [DataTypes](#)) corresponding to the groupId requested.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGroup** request:

Table 19 getGroup Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.InvalidParameter.SubGroups	Invalid subgroups parameter.

getGroups

Description

The **getGroups** call returns an array of **Group** data objects (See [DataTypes](#)) containing all accessible group data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 20 getGroups Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
managerEmail	A valid managerEmail. Optional. If supplied, the groups returned will be the groups directly managed by the manager specified.

Response

If this call is successful it returns an array of **Group** data objects (See [DataTypes](#)).

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGroups** request:

Table 21 getGroups Specific Faults

Fault Code	Description
Client.InvalidParameter.ManagerEmail	Invalid managerEmail parameter.

getManagers

Description

The **getManagers** call returns an array of **Member** data objects (See [DataTypes](#)) containing all accessible manager information for all group managers in the company.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 22 getManagers Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.

Response

If this call is successful it returns an array of **Member** data objects (See [DataTypes](#)) corresponding to the group managers in the current company.

Faults

Only the common faults and connection faults (See [Faults](#)) are applicable to the **getManagers** request.

getUser

Description

The **getUser** call returns a single **Member** data object (See [DataTypes](#)) containing all accessible member data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 23 getUser Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userId	A valid userId. Required.

Response

If this call is successful it returns a single **Member** data object (See [DataTypes](#)) corresponding to the userId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUser** request:

Table 24 getUser Specific Faults

Fault Code	Description
Client.InvalidParameter.UserId	Invalid userId parameter.

getUserByEmail

Description

The **getUserByEmail** call returns a single **Member** data object (See [DataTypes](#)) containing all accessible member data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 25 getUserByEmail Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userEmail	A valid user email. Required

Response

If this call is successful it returns a single **Member** data object (See [DataTypes](#)) corresponding to the userEmail provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUserByEmail** request:

Table 26 getUserByEmail Specific Faults

Fault Code	Description
Client.InvalidParameter.UserEmail	Invalid userEmail parameter.

getUsers

Description

The **getUsers** call returns an array of **Member** data objects (See [DataTypes](#)) containing all accessible member data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 27 getUsers Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Optional. If supplied information for all users within this group are returned. Otherwise all users in all accessible groups are returned.

Response

If this call is successful it returns an array of **Member** data objects (See [DataTypes](#)) corresponding to the groupId provided. If no groupId is provided, all users, in all accessible groups are returned.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUsers** request:

Table 28 getUsers Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.

Reporting API Calls

getUsersByHost

Description

The **getUsersByHost** call returns an array of **Member** data objects (See [DataTypes](#)) containing all accessible member data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 29 getUsersByHost Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
hostId	A valid hostId. Required

Response

If this call is successful it returns an array of **Member** data objects (See [DataTypes](#)) corresponding to the hostId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUsersByHost** request:

Table 30 getUsersByHost Specific Faults

Fault Code	Description
Client.InvalidParameter.HostId	Invalid hosted parameter.

getHost

Description

The **getHost** call returns a single **Host** data object (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 31 getHost Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
hostId	A valid hosted. Required

Response

If this call is successful it returns a single **Host** data object (See [DataTypes](#)) corresponding to the hostId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getHost** request:

Table 32 getHost Specific Faults

Fault Code	Description
Client.InvalidParameter.HostId	Invalid hostId parameter.

getHosts

Description

The **getHosts** call returns an array of **Host** data objects (See [DataTypes](#)) containing all accessible host data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 33 getHosts Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Optional. If supplied information for all hosts within this group are returned. Otherwise all hosts in all accessible groups are returned.

Response

If this call is successful it returns an array of **Host** data objects (See [DataTypes](#)) corresponding to the groupId provided. If no groupId is provided, all hosts, in all accessible groups are returned.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getHosts** request:

Table 34 getHosts Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.

getHostsByUser

Description

The **getHostsByUser** call returns an array of **Host** data objects (See [DataTypes](#)) containing all accessible host data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 35 getHostsByUser Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userId	A valid userId. Required.

Response

If this call is successful it returns an array of **Host** data objects (See [DataTypes](#)) corresponding to the userId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getHostsByUser** request:

Table 36 getHostsByUser Specific Faults

Fault Code	Description
Client.InvalidParameter.UserId	Invalid userId parameter.

getConnections

Description

The **getConnections** call returns an array of **Connection** data objects (See [DataTypes](#)) containing all accessible connection data.

Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

Table 37 getConnections Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Optional. If supplied information for all connections within this group are returned. Otherwise all connections in all accessible groups are returned.
startDate	A valid start date. Optional. If the start date is more than 21 days before the current date, only successful connections are returned.
endDate	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **Connection** data objects (See [DataTypes](#)) corresponding to the groupId provided. If no groupId is provided, all connections, in all accessible groups are returned.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getConnections** request:

Table 38 getConnections Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.InvalidParameter.StartDate	Invalid startDate parameter.
Client.InvalidParameter.EndDate	Invalid endDate parameter.

getGuestConnections

Description

The **getGuestConnections** call returns an array of **Connection** data objects (See [DataTypes](#)) containing all accessible connection data.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 39 getGuestConnections Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Optional. If supplied information for all connections within this group are returned. Otherwise all connections in all accessible groups are returned.
startDate	A valid start date. Optional. If the start date is more than 21 days before the current date, only successful connections are returned.
endDate	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **Connection** data objects (See [DataTypes](#)) corresponding to the groupId provided. If no groupId is provided, all connections, in all accessible groups are returned.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGuestConnections** request:

Table 40 getGuestConnections Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.InvalidParameter.StartDate	Invalid startDate parameter.
Client.InvalidParameter.EndDate	Invalid endDate parameter.

getLogin

Description

The **getLogin** call returns a single **Login** data object (See [DataTypes](#)). This method can be used to get data for the last login of a user, if the “lastLoginId” returned with a Member data object is supplied as the loginId parameter and the “id” returned as userId.

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 41 getLogin Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
loginId	A valid loginId. Required
userId	A valid userId. Required

Response

If this call is successful it returns a single **Login** data object (See [DataTypes](#)) corresponding to the loginId and userId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getLogin** request:

Table 42 getLogin Specific Faults

Fault Code	Description
Client.InvalidParameter.LoginId	Invalid loginId parameter.
Client.InvalidParameter.UserId	Invalid userId parameter.

getLoginsByUser

Description

The **getLoginsByUser** call returns an array of **Login** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 43 getLoginsByUser Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userId	A valid userId. Required
startDate	A valid start date. Optional
endDate	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **Login** data objects (See [DataTypes](#)) corresponding to the `userId` provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getLoginsByUser** request:

Table 44 getLoginsByUser Specific Faults

Fault Code	Description
Client.InvalidParameter.UserId	Invalid <code>userId</code> parameter.
Client.InvalidParameter.StartDate	Invalid <code>startDate</code> parameter.
Client.InvalidParameter.EndDate	Invalid <code>endDate</code> parameter.

getUserEvents

Description

The **getUserEvents** call returns an array of **UserEvent** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 45 getUserEvents Request Parameters

Name	Description
<code>connectionId</code>	A valid <code>ConnectionID</code> . Required.
<code>groupId</code>	A valid <code>groupId</code> . Optional. If supplied information for all user events within this group are returned. Otherwise all user events in all accessible groups are returned.
<code>startDate</code>	A valid start date. Optional
<code>endDate</code>	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **UserEvent** data objects (See [DataTypes](#)) corresponding to the `groupId` provided. If no `groupId` is provided, all user events, in all accessible groups are returned.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUserEvents** request:

Table 46 getUserEvents Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid <code>groupId</code> parameter.
Client.InvalidParameter.StartDate	Invalid <code>startDate</code> parameter.
Client.InvalidParameter.EndDate	Invalid <code>endDate</code> parameter.

getUserEventsByUser

Description

The **getUserEventsByUser** call returns an array of **UserEvent** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 47 getUserEventsByUser Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userId	A valid userId. Required
startDate	A valid start date. Optional
endDate	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **UserEvent** data objects (See [DataTypes](#)) corresponding to the userId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUserEventsByUser** request:

Table 48 getUserEventsByUser Specific Faults

Fault Code	Description
Client.InvalidParameter.UserId	Invalid userId parameter.
Client.InvalidParameter.StartDate	Invalid startDate parameter.
Client.InvalidParameter.EndDate	Invalid endDate parameter.

getCompanyFeatures

Description

The **getCompanyFeatures** call returns a single **Features** data object (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 49 getCompanyFeatures Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.

Response

If this call is successful it returns a single **Features** data object (See [DataTypes](#)) corresponding to the current company.

Faults

Only the common faults and connection faults (See [Faults](#)) are applicable to the **getCompanyFeatures** request.

getGroupFeatures

Description

The **getGroupFeatures** call returns an array of **Features** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 50 getGroupFeatures Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Optional. If supplied information for all features within this group are returned. Otherwise all features in all accessible groups are returned.

Response

If this call is successful it returns an array of **Features** data objects (See [DataTypes](#)) corresponding to the groupId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGroupFeatures** request:

Table 51 getGroupFeatures Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.

getUserFeatures

Description

The **getUserFeatures** call returns an array of **Features** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 52 getUserFeatures Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userId	A valid userId. Optional. If supplied information for all features for this user are returned. Otherwise all features for all accessible users are returned.

Response

If this call is successful it returns an array of **Features** data objects (See [DataTypes](#)) corresponding to the userId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUserFeatures** request:

Table 53 getUserFeatures Specific Faults

Fault Code	Description
Client.InvalidParameter.UserId	Invalid userId parameter.

getGuestInvites

Description

The **getGuestInvites** call returns an array of **GuestInvite** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

Table 54 getGuestInvites Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Optional
startDate	A valid start date. Optional.
endDate	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **GuestInvite** data objects (See [DataTypes](#)) corresponding to the `userId` provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGuestInvites** request:

Table 55 getGuestInvites Specific Faults

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid <code>groupId</code> parameter.
Client.InvalidParameter.StartDate	Invalid <code>startDate</code> parameter.
Client.InvalidParameter.EndDate	Invalid <code>endDate</code> parameter.

getGuestInvitesByUser

Description

The **getGuestInvitesByUser** call returns an array of **GuestInvite** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 56 getGuestInvitesByUser Request Parameters

Name	Description
<code>connectionId</code>	A valid <code>ConnectionID</code> . Required.
<code>userId</code>	A valid <code>userId</code> . Required
<code>startDate</code>	A valid start date. Optional
<code>endDate</code>	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **GuestInvite** data objects (See [DataTypes](#)) corresponding to the `userId` provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGuestInvitesByUser** request:

Table 57 getGuestInvitesByUser Specific Faults

Fault Code	Description
Client.InvalidParameter.UserId	Invalid <code>userId</code> parameter.
Client.InvalidParameter.StartDate	Invalid <code>startDate</code> parameter.
Client.InvalidParameter.EndDate	Invalid <code>endDate</code> parameter.

getHostAuthEvents

Description

The **getHostAuthEvents** call returns an array of **AuthEvent** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 58 getHostAuthEvents Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
hostId	A valid hostId. Required
startDate	A valid start date. Optional.
endDate	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **AuthEvent** data objects (See [DataTypes](#)) corresponding to the hostId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getHostAuthEvents** request:

Table 59 getHostAuthEvents Specific Faults

Fault Code	Description
Client.InvalidParameter.HostId	Invalid hostId parameter.
Client.InvalidParameter.StartDate	Invalid startDate parameter.
Client.InvalidParameter.EndDate	Invalid endDate parameter.

getWebAuthEvents

Description

The **getWebAuthEvents** call returns an array of **AuthEvent** data objects (See [DataTypes](#)).

Request

In addition to the headers required for all requests (See [Calls](#)), the following parameters are required:

Table 60 getWebAuthEvents Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userId	A valid userId. Required
startDate	A valid start date. Optional.
endDate	A valid end date. Optional

See [Date Range Considerations](#) for information regarding the behavior of the start and end dates.

Response

If this call is successful it returns an array of **AuthEvent** data objects (See [DataTypes](#)) corresponding to the userId provided.

Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getWebAuthEvents** request:

Table 61 getWebAuthEvents Specific Faults

Fault Code	Description
Client.InvalidParameter.UserId	Invalid userId parameter.
Client.InvalidParameter.StartDate	Invalid startDate parameter.
Client.InvalidParameter.EndDate	Invalid endDate parameter.

Examples

This section provides examples of calls issued to G2P_API. The listings are complete in that they contain the entire request, including the HTTP headers. If the client uses a library to generate requests to the service, these headers may be automatically generated.

logon

This is always the first request issued, since it is used to create a connection on the server and retrieve a valid ConnectionID that is used in all further requests.

Here, a request is made with the following parameters:

- id = "testuser@email.com"
- password = "somepassword"
- version = "2"

Since G2P_API recognizes the id and password, a new connection is created and the ConnectionID "168545:FB7FD2C007B8294" is returned.

If the account could not be authenticated (for example if the password was incorrect), then the fault response would be returned with the Fault Code "Client.Authentication". The Fault String provides a brief description of what went wrong: "Invalid email or password".

Listing 1 logon Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:logon>
    <email xsi:type="xsd:string">testuser@email.com</email>
    <password xsi:type="xsd:string">somepassword</password>
    <version xsi:type="xsd:long">2</version>
  </impl:logon>
</soap:Body>
</soap:Envelope>
```

Listing 2 logon Response

```

HTTP 200
Date: Fri, 10 Feb 2006 19:33:16 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=rAmZcESR_z40x-Cv; path=/
Keep-Alive: timeout=15, max=80
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:logonResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    </ns1:logonResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

Listing 3 logon Fault Response

```

HTTP 500
Date: Fri, 10 Feb 2006 19:31:52 GMT
Server: Apache
Set-Cookie: JSESSIONID=ct05xq6ZVve-5QCv; path=/
nnCoection: close
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <soapenv:Fault>
      <faultcode
xmlns:ns1="G2P_API">ns1:Client.Authentication</faultcode>
      <faultstring>Invalid email or password</faultstring>
      <detail>
        <ns2:hostname
xmlns:ns2="http://xml.apache.org/axis/">g2pqa1br1.sba.expertcity.com</
ns2:hostname>
      </detail>
    </soapenv:Fault>
  </soapenv:Body>
</soapenv:Envelope>

```


getCompanies

After logging on, we want to determine how many companies we are a manager for. We send the request containing only the Connection ID "168545:FB7FD2C007B8294".

The API returns an array with only one company "Some Big Corp" with the following fields.

- Id = 2898
- ParentID = 0
- Name = "Some Big Corp"
- pcCount = 0
- totalPcCount = 1

Listing 4 getCompanies Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 525

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getCompanies>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    </impl:getCompanies>
  </soap:Body>
</soap:Envelope>
```

Listing 5 getCompanies Response

```

HTTP 200
Date: Fri, 10 Feb 2006 19:34:17 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=j0syRxxL_G7_eoDv; path=/
Keep-Alive: timeout=15, max=66
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getCompaniesResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <companies soapenc:arrayType="ns1:Group[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <companies href="#id0" />
      </companies>
    </ns1:getCompaniesResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Group"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">2898</id>
      <parentId xsi:type="xsd:string">0</parentId>
      <name xsi:type="xsd:string">Ryan Big Corp</name>
      <pcCount href="#id1" />
      <totalPcCount href="#id2" />
    </multiRef>
    <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

setCompanyId

Now that we have the companyId's that we are members of, we'll want to specify which companyId we want to use for future calls. Technically, in this case, since there is only one companyId, this call is not necessary, but it's shown here in order to show how this call would be used.

We send the following parameters:

- ConnectionID = 168545:FB7FD2C007B8294
- CompanyId = 2898

Listing 6 setCompanyId Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 581

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:setCompanyId>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <companyId xsi:type="xsd:string">2898</companyId>
  </impl:setCompanyId>
</soap:Body>
</soap:Envelope>
```

Listing 7 setCompanyId Response

```
HTTP 200
Date: Fri, 10 Feb 2006 19:44:07 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=L_heeGwENL9fCEFv; path=/
Keep-Alive: timeout=15, max=61
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
```

```
<ns1:setCompanyIdResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
</soapenv:Body>
</soapenv:Envelope>
```

getManagers

Now we want to see who our group managers are. We make a request with just the connection ID "168545:FB7FD2C007B8294"

The return is an array with a single Member Object with the following values

- Id = 1712793594
- Email = "groupmanager@email.com"
- FirstName = "Group"
- MiddleName = NULL
- LastName = "Manager"
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = NULL
- Status = "Active"
- UserSince = "2006-02-10 12:05:50(GMT-8:00)"
- ActiveSince = "2006-02-10 12:08:19(GMT-8:00)"
- PasswordChangeDate = NULL
- LastLoginId = 39590
- LoginCount = 1
- FailedLoginCount = 0
- ConnectionCount = NULL
- LockoutUntil = NULL

Listing 8 getManagers Request

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 523

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getManagers>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      </impl:getManagers>
    </soap:Body>
  </soap:Envelope>

```

Listing 9 getManagers Response

```

HTTP/1.1 200 OK
Date: Fri, 10 Feb 2006 20:28:38 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=b-OJUWNA9yhErQPv; path=/
Keep-Alive: timeout=15, max=97
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getManagersResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <managers soapenc:arrayType="ns1:Member[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <managers href="#id0" />
      </managers>
    </ns1:getManagersResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">1712793594</id>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

```

    <email xsi:type="xsd:string">ryan.geyer@email.com</email>
    <firstName xsi:type="xsd:string">Ryan</firstName>
    <middleName xsi:type="xsd:string">
</middleName>
    <lastName xsi:type="xsd:string">Geyer</lastName>
    <company xsi:type="xsd:string">
</company>
    <jobTitle xsi:type="xsd:string">
</jobTitle>
    <address1 xsi:type="xsd:string">
</address1>
    <address2 xsi:type="xsd:string">
</address2>
    <city xsi:type="xsd:string">
</city>
    <state xsi:type="xsd:string">
</state>
    <zipCode xsi:type="xsd:string">
</zipCode>
    <country xsi:type="xsd:string">
</country>
    <phoneNumber xsi:type="xsd:string">
</phoneNumber>
    <timeZone xsi:type="xsd:string" xsi:nil="true" />
    <status xsi:type="xsd:string">Active</status>
    <userSince xsi:type="xsd:string">2006-02-10 12:05:50 (GMT-
8:00)</userSince>
    <activeSince xsi:type="xsd:string">2006-02-10 12:08:19 (GMT-
8:00)</activeSince>
    <passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
    <lastLoginId href="#id1" />
    <loginCount href="#id2" />
    <failedLoginCount href="#id3" />
    <connectionCount xsi:type="xsd:long" xsi:nil="true" />
    <lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
    <multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">39590</multi
Ref>
    <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
</soapenv:Body>
</soapenv:Envelope>

```

getGroups

Now we'd like to see what groups one of our group managers "groupmanager@email.com" manages. We call **getGroups** with the connection ID "168545:FB7FD2C007B8294" and the group managers email.

The response comes back with one group object showing the managers group memberships:

- Id = 2899
- ParentId = 2898
- Name = "High Security Group"
- pcCount = 0
- totalPCCount = 1

Listing 10 getGroups Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 597

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getGroups>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
      <managerEmail
xsi:type="xsd:string">groupmanager@email.com</managerEmail>
    </impl:getGroups>
  </soap:Body>
</soap:Envelope>
```

Listing 11 getGroups Response

```

HTTP 200
Date: Fri, 10 Feb 2006 20:08:48 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=FckG7BcXn96w1hLv; path=/
Keep-Alive: timeout=15, max=87
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGroupsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <groups soapenc:arrayType="ns1:Group[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <groups href="#id0" />
      </groups>
    </ns1:getGroupsResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Group"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">2899</id>
      <parentId xsi:type="xsd:string">2898</parentId>
      <name xsi:type="xsd:string">High Security Group</name>
      <pcCount href="#id1" />
      <totalPcCount href="#id2" />
    </multiRef>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
    <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```


getGroup

If we want group information and we know the group Id we use **getGroup**. Here we specify "subGroups" as "true" so we see all subgroups for this group. We specify group "2898" to get the top level group.

The response is an array of two Group data objects:

Group Object 1:

- Id = 2898
- ParentID = 0
- Name = "Some Big Corp"
- pcCount = 0
- totalPcCount = 1

Group Object 2:

- Id = 2899
- ParentId = 2898
- Name = "High Security Group"
- pcCount = 0
- totalPcCount = 1

Listing 12 getGroup Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 623

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getGroup>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <groupId xsi:type="xsd:string">2898</groupId>
      <subGroups xsi:type="xsd:boolean">1</subGroups>
    </impl:getGroup>
  </soap:Body>
</soap:Envelope>
```

Listing 13 getGroup Response

```

HTTP 200
Date: Fri, 10 Feb 2006 20:42:55 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=eaVHAqz9bnbAL7Sv; path=/
Keep-Alive: timeout=15, max=46
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGroupResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <groups soapenc:arrayType="ns1:Group[2]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <groups href="#id0" />
        <groups href="#id1" />
      </groups>
    </ns1:getGroupResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Group"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">2898</id>
      <parentId xsi:type="xsd:string">0</parentId>
      <name xsi:type="xsd:string">Ryan Big Corp</name>
      <pcCount href="#id2" />
      <totalPcCount href="#id3" />
    </multiRef>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:Group" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
      <id xsi:type="xsd:string">2899</id>
      <parentId xsi:type="xsd:string">2898</parentId>
      <name xsi:type="xsd:string">High Security Group</name>
      <pcCount href="#id4" />
      <totalPcCount href="#id5" />
    </multiRef>
    <multiRef id="id5" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
    <multiRef id="id4" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>

```

```
<multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  <multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
</soapenv:Body>
</soapenv:Envelope>
```

getUsers

Now we want to see all users that are a member of main group 2898. We send a request with the current connection ID "168545:FB7FD2C007B8294" and the group ID 2898.

The response is an array of three Member data objects:

Member Object 1:

- Id = 1544170229
- Email = "user1@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:49:45(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

Member Object 2:

- Id = 1625345894
- Email = "user2@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:51:20(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

Member Object 3:

- Id = 367567165
- Email = "user3@email.com"
- FirstName = "User"
- MiddleName = NULL
- LastName = "Three"
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Active"
- UserSince = "2003-07-18 15:47:39(GMT-7:00)"
- ActiveSince = "2003-07-18 15:47:58(GMT-7:00)"
- PasswordChangeDate = NULL
- LastLoginId = 30532
- LoginCount = 15
- FailedLoginCount = 0
- ConnectionCount = 11
- LockoutUntil = NULL

Listing 14 getUsers Request

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 569

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUsers>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <groupId xsi:type="xsd:string">2898</groupId>
    </impl:getUsers>
  </soap:Body>
</soap:Envelope>

```

Listing 15 getUsers Response

```

HTTP 200
Date: Fri, 10 Feb 2006 22:32:15 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=LBFR3KR1c-8zc9fw; path=/
Keep-Alive: timeout=15, max=88
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUsersResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <users soapenc:arrayType="ns1:Member[3]" xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <users href="#id0" />
        <users href="#id1" />
        <users href="#id2" />
      </users>
    </ns1:getUsersResponse>
    <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"

```

```

xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
  <id xsi:type="xsd:string">1544170229</id>
  <email xsi:type="xsd:string">user1@email.com</email>
  <firstName xsi:type="xsd:string">
</firstName>
  <middleName xsi:type="xsd:string">
</middleName>
  <lastName xsi:type="xsd:string">
</lastName>
  <company xsi:type="xsd:string">
</company>
  <jobTitle xsi:type="xsd:string">
</jobTitle>
  <address1 xsi:type="xsd:string">
</address1>
  <address2 xsi:type="xsd:string">
</address2>
  <city xsi:type="xsd:string">
</city>
  <state xsi:type="xsd:string">
</state>
  <zipCode xsi:type="xsd:string">
</zipCode>
  <country xsi:type="xsd:string">
</country>
  <phoneNumber xsi:type="xsd:string">
</phoneNumber>
  <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
  <status xsi:type="xsd:string">Inactive</status>
  <userSince xsi:type="xsd:string">2003-07-18 15:49:45 (GMT-
7:00)</userSince>
  <activeSince xsi:type="xsd:string">
</activeSince>
  <passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
  <lastLoginId xsi:type="xsd:long" xsi:nil="true" />
  <loginCount href="#id3" />
  <failedLoginCount href="#id4" />
  <connectionCount href="#id4" />
  <lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
<multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:Member" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">1625345894</id>
  <email xsi:type="xsd:string">user2@email.com</email>
  <firstName xsi:type="xsd:string">
</firstName>
  <middleName xsi:type="xsd:string">
</middleName>
  <lastName xsi:type="xsd:string">
</lastName>
  <company xsi:type="xsd:string">

```

```

    </company>
    <jobTitle xsi:type="xsd:string">
    </jobTitle>
    <address1 xsi:type="xsd:string">
    </address1>
    <address2 xsi:type="xsd:string">
    </address2>
    <city xsi:type="xsd:string">
    </city>
    <state xsi:type="xsd:string">
    </state>
    <zipCode xsi:type="xsd:string">
    </zipCode>
    <country xsi:type="xsd:string">
    </country>
    <phoneNumber xsi:type="xsd:string">
    </phoneNumber>
    <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
    <status xsi:type="xsd:string">Inactive</status>
    <userSince xsi:type="xsd:string">2003-07-18 15:51:20 (GMT-
7:00)</userSince>
    <activeSince xsi:type="xsd:string">
    </activeSince>
    <passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
    <lastLoginId xsi:type="xsd:long" xsi:nil="true" />
    <loginCount href="#id5" />
    <failedLoginCount href="#id4" />
    <connectionCount href="#id4" />
    <lockoutUntil xsi:type="xsd:string">
    </lockoutUntil>
  </multiRef>
  <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns4:Member" xmlns:ns4="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
    <id xsi:type="xsd:string">367567165</id>
    <email xsi:type="xsd:string">user3@email.com</email>
    <firstName xsi:type="xsd:string">User</firstName>
    <middleName xsi:type="xsd:string">
    </middleName>
    <lastName xsi:type="xsd:string">Three</lastName>
    <company xsi:type="xsd:string">
    </company>
    <jobTitle xsi:type="xsd:string">
    </jobTitle>
    <address1 xsi:type="xsd:string">
    </address1>
    <address2 xsi:type="xsd:string">
    </address2>
    <city xsi:type="xsd:string">
    </city>
    <state xsi:type="xsd:string">
    </state>
    <zipCode xsi:type="xsd:string">
    </zipCode>

```

```

    <country xsi:type="xsd:string">
    </country>
    <phoneNumber xsi:type="xsd:string">
    </phoneNumber>
    <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
    <status xsi:type="xsd:string">Active</status>
    <userSince xsi:type="xsd:string">2003-07-18 15:47:39 (GMT-
7:00)</userSince>
    <activeSince xsi:type="xsd:string">2003-07-18 15:47:58 (GMT-
7:00)</activeSince>
    <passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
    <lastLoginId href="#id6" />
    <loginCount href="#id7" />
    <failedLoginCount href="#id4" />
    <connectionCount href="#id8" />
    <lockoutUntil xsi:type="xsd:string">
    </lockoutUntil>
  </multiRef>
  <multiRef id="id7" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">15</multiRef>
  <multiRef id="id5" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  <multiRef id="id4" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  <multiRef id="id8" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">11</multiRef>
  <multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  <multiRef id="id6" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">30532</multiRef>
</soapenv:Body>
</soapenv:Envelope>

```

getUserByEmail

If we knew the users email address, we can get the Member data object related to them using the `getUserByEmail` call. Here we make the call with the connection ID "168545:FB7FD2C007B8294" and user email "user2@email.com".

The response is an array of one Member data objects:

Member Object 1:

- Id = 1625345894
- Email = "user2@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:51:20(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

Listing 16 getUserByEmail Request

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getUserByEmail>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <userEmail xsi:type="xsd:string">user2@email.com</userEmail>
  </impl:getUserByEmail>
</soap:Body>
</soap:Envelope>

```

Listing 17 getUserByEmail Response

```

HTTP 200
Date: Fri, 10 Feb 2006 22:53:11 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=LF8xMlIosSevXVkw; path=/
Keep-Alive: timeout=15, max=88
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUserByEmailResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <user href="#id0" />
    </ns1:getUserByEmailResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">1625345894</id>
      <email xsi:type="xsd:string">user2@email.com</email>
      <firstName xsi:type="xsd:string">
</firstName>

```

```

    <middleName xsi:type="xsd:string">
  </middleName>
  <lastName xsi:type="xsd:string">
  </lastName>
  <company xsi:type="xsd:string">
  </company>
  <jobTitle xsi:type="xsd:string">
  </jobTitle>
  <address1 xsi:type="xsd:string">
  </address1>
  <address2 xsi:type="xsd:string">
  </address2>
  <city xsi:type="xsd:string">
  </city>
  <state xsi:type="xsd:string">
  </state>
  <zipCode xsi:type="xsd:string">
  </zipCode>
  <country xsi:type="xsd:string">
  </country>
  <phoneNumber xsi:type="xsd:string">
  </phoneNumber>
  <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
  <status xsi:type="xsd:string">Inactive</status>
  <userSince xsi:type="xsd:string">2003-07-18 15:51:20 (GMT-
7:00)</userSince>
  <activeSince xsi:type="xsd:string">
  </activeSince>
  <passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
  <lastLoginId xsi:type="xsd:long" xsi:nil="true" />
  <loginCount href="#id1" />
  <failedLoginCount href="#id2" />
  <connectionCount href="#id2" />
  <lockoutUntil xsi:type="xsd:string">
  </lockoutUntil>
</multiRef>
  <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
</soapenv:Body>
</soapenv:Envelope>

```

getUser

We can also get the Member data for a user if we know their userId. Here we use connection ID "168545:FB7FD2C007B8294" and userId "1625345894"

The response is a single Member data object:

- Id = 1625345894
- Email = "user2@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:51:20(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

Listing 18 getUser Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 571

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUser>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">1625345894</userId>
    </impl:getUser>
  </soap:Body>
</soap:Envelope>
```

Listing 19 getUser Response

```

HTTP 200
Date: Fri, 10 Feb 2006 22:58:24 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=h78BDIS5mpcmx8lw; path=/
Keep-Alive: timeout=15, max=94
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <user href="#id0" />
    </ns1:getUserResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">1625345894</id>
      <email xsi:type="xsd:string">user2@email.com</email>
      <firstName xsi:type="xsd:string">
</firstName>
      <middleName xsi:type="xsd:string">
</middleName>
      <lastName xsi:type="xsd:string">
</lastName>
      <company xsi:type="xsd:string">
</company>
      <jobTitle xsi:type="xsd:string">
</jobTitle>
      <address1 xsi:type="xsd:string">
</address1>
      <address2 xsi:type="xsd:string">
</address2>
      <city xsi:type="xsd:string">
</city>
      <state xsi:type="xsd:string">
</state>
      <zipCode xsi:type="xsd:string">
</zipCode>
      <country xsi:type="xsd:string">
</country>
      <phoneNumber xsi:type="xsd:string">
</phoneNumber>
      <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
      <status xsi:type="xsd:string">Inactive</status>

```

```
<userSince xsi:type="xsd:string">2003-07-18 15:51:20 (GMT-
7:00)</userSince>
<activeSince xsi:type="xsd:string">
</activeSince>
<passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
<lastLoginId xsi:type="xsd:long" xsi:nil="true" />
<loginCount href="#id1" />
<failedLoginCount href="#id2" />
<connectionCount href="#id2" />
<lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
<multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
<multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
</soapenv:Body>
</soapenv:Envelope>
```

getUsersByHost

Lastly we can get user's Member information using this call. The hostId would be returned by one either getHosts, or getHostsByUser described below. In this case we send the connection ID "168545:FB7FD2C007B8294" and the hostId "13475".

The result is an array of one Member data object:

- Id = 367567165
- Email = "user3@email.com"
- FirstName = "User"
- MiddleName = NULL
- LastName = "Three"
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Active"
- UserSince = "2003-07-18 15:47:39(GMT-7:00)"
- ActiveSince = "2003-07-18 15:47:58(GMT-7:00)"
- PasswordChangeDate = NULL
- LastLoginId = 30532
- LoginCount = 15
- FailedLoginCount = 0
- ConnectionCount = 11
- LockoutUntil = NULL

Listing 20 getUsersByHost Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 580

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUsersByHost>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <hostId xsi:type="xsd:string">13475</hostId>
    </impl:getUsersByHost>
  </soap:Body>
</soap:Envelope>
```

Listing 21 getUsersByHost Response

```

HTTP 200
Date: Fri, 10 Feb 2006 23:03:38 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=2MaXp0g6Eebdlinw; path=/
Keep-Alive: timeout=15, max=17
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUsersByHostResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <users soapenc:arrayType="ns1:Member[1]" xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <users href="#id0" />
      </users>
    </ns1:getUsersByHostResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">367567165</id>
      <email xsi:type="xsd:string">user3@email.com</email>
      <firstName xsi:type="xsd:string">User</firstName>
      <middleName xsi:type="xsd:string">
</middleName>
      <lastName xsi:type="xsd:string">Three</lastName>
      <company xsi:type="xsd:string">
</company>
      <jobTitle xsi:type="xsd:string">
</jobTitle>
      <address1 xsi:type="xsd:string">
</address1>
      <address2 xsi:type="xsd:string">
</address2>
      <city xsi:type="xsd:string">
</city>
      <state xsi:type="xsd:string">
</state>
      <zipCode xsi:type="xsd:string">
</zipCode>
      <country xsi:type="xsd:string">
</country>
      <phoneNumber xsi:type="xsd:string">
</phoneNumber>
      <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>

```



```
<status xsi:type="xsd:string">Active</status>
<userSince xsi:type="xsd:string">2003-07-18 15:47:39 (GMT-
7:00)</userSince>
<activeSince xsi:type="xsd:string">2003-07-18 15:47:58 (GMT-
7:00)</activeSince>
<passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
<lastLoginId href="#id1" />
<loginCount href="#id2" />
<failedLoginCount href="#id3" />
<connectionCount href="#id4" />
<lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
<multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
<multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">30532</multiRef>
<multiRef id="id4" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">11</multiRef>
<multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">15</multiRef>
</soapenv:Body>
</soapenv:Envelope>
```

getHostsByUser

Contrastly, we can determine all hosts which belong to a user with this call. Here we supply the connection ID "168545:FB7FD2C007B8294" and the userId "367567165"

The response is an array of six Host data objects:

Host Object 1:

- Id = 13204
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.43"
- externalIP = "10.4.10.43"
- physicalId = "8885CBF8,0007E99F7140"
- lastTimeOnlineChange = "2003-07-29 12:38:19(GMT-7:00)"
- createDate = "2003-07-21 11:10:32(GMT-7:00)"
- deleteDate = "2003-07-29 12:44:56(GMT-7:00)"
- launcherVersion = "275"

Host Object 2:

- Id = 13395
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.189"
- externalIP = NULL
- physicalId = NULL
- lastTimeOnlineChange = "2003-10-13 13:12:40(GMT-7:00)"
- createDate = "2003-10-13 13:03:57(GMT-7:00)"
- deleteDate = "2003-10-23 09:23:14(GMT-7:00)"
- launcherVersion = "186"

Host Object 3:

- Id = 13394
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.189"
- externalIP = "10.4.10.189"
- physicalId = "B41E939B,0007E93AA727"
- lastTimeOnlineChange = "2003-10-13 13:03:56(GMT-7:00)"
- createDate = "2003-10-13 13:00:19(GMT-7:00)"
- deleteDate = "2003-10-13 13:03:56(GMT-7:00)"
- launcherVersion = "275"

Host Object 4:

- Id = 13199
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.43"
- externalIP = "10.4.10.43"
- physicalId = "8885CBF8,0007E99F7140"
- lastTimeOnlineChange = "2003-07-21 10:41:07(GMT-7:00)"
- createDate = "2003-07-18 16:03:54(GMT-7:00)"
- deleteDate = "2003-07-21 11:10:32(GMT-7:00)"
- launcherVersion = "275"

Host Object 5:

- Id = 13475
- Name = "Offic"
- Status = "Active"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.189,192.168.50.1,192.168.159.1"
- externalIP = "10.4.10.189"
- physicalId = "B41E939B,0007E93AA727,005056C00001,005056C00008"
- lastTimeOnlineChange = "2003-11-05 09:57:44(GMT-8:00)"
- createDate = "2003-11-05 09:53:02(GMT-8:00)"
- deleteDate = NULL
- launcherVersion = "276"

Host Object 6:

- Id = 13253
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.43"
- externalIP = "10.4.10.43"
- physicalId = "8885CBF8,0007E99F7140"
- lastTimeOnlineChange = "2003-08-20 10:42:28(GMT-7:00)"
- createDate = "2003-07-29 12:44:56(GMT-7:00)"
- deleteDate = "2003-10-13 13:00:19(GMT-7:00)"
- launcherVersion = "275"

Listing 22 getHostsByUser Request

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 584

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getHostsByUser>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">367567165</userId>
    </impl:getHostsByUser>
  </soap:Body>
</soap:Envelope>

```

Listing 23 getHostsByUser Response

```

HTTP 200
Date: Fri, 10 Feb 2006 23:12:00 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=hKFXu2aa6rgaydpw; path=/
Keep-Alive: timeout=15, max=83
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getHostsByUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <hosts soapenc:arrayType="ns1:Host[6]" xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <hosts href="#id0" />
        <hosts href="#id1" />
        <hosts href="#id2" />
        <hosts href="#id3" />
        <hosts href="#id4" />
        <hosts href="#id5" />
      </hosts>
    </ns1:getHostsByUserResponse>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"

```

```

xsi:type="ns2:Host" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
  <id xsi:type="xsd:string">13204</id>
  <name xsi:type="xsd:string">Office</name>
  <status xsi:type="xsd:string">Deleted</status>
  <isOnline href="#id6" />
  <isShared href="#id7" />
  <ownerId xsi:type="xsd:string">367567165</ownerId>
  <internalIP xsi:type="xsd:string">10.4.10.43</internalIP>
  <externalIP xsi:type="xsd:string">10.4.10.43</externalIP>
  <physicalId xsi:type="xsd:string">8885CBF8,0007E99F7140</physicalId>
  <lastTimeOnlineChange xsi:type="xsd:string">2003-07-29 12:38:19 (GMT-
7:00)</lastTimeOnlineChange>
  <createDate xsi:type="xsd:string">2003-07-21 11:10:32 (GMT-7:00)</createDate>
  <deleteDate xsi:type="xsd:string">2003-07-29 12:44:56 (GMT-7:00)</deleteDate>
  <launcherVersion xsi:type="xsd:string">275</launcherVersion>
</multiRef>
<multiRef id="id4" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:Host" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">13395</id>
  <name xsi:type="xsd:string">Office</name>
  <status xsi:type="xsd:string">Deleted</status>
  <isOnline href="#id8" />
  <isShared href="#id9" />
  <ownerId xsi:type="xsd:string">367567165</ownerId>
  <internalIP xsi:type="xsd:string">
</internalIP>
  <externalIP xsi:type="xsd:string">10.4.10.189</externalIP>
  <physicalId xsi:type="xsd:string">
</physicalId>
  <lastTimeOnlineChange xsi:type="xsd:string">2003-10-13 13:12:40 (GMT-
7:00)</lastTimeOnlineChange>
  <createDate xsi:type="xsd:string">2003-10-13 13:03:57 (GMT-7:00)</createDate>
  <deleteDate xsi:type="xsd:string">2003-10-23 09:23:14 (GMT-7:00)</deleteDate>
  <launcherVersion xsi:type="xsd:string">186</launcherVersion>
</multiRef>
<multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns4:Host" xmlns:ns4="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">13394</id>
  <name xsi:type="xsd:string">Office</name>
  <status xsi:type="xsd:string">Deleted</status>
  <isOnline href="#id10" />
  <isShared href="#id11" />
  <ownerId xsi:type="xsd:string">367567165</ownerId>
  <internalIP xsi:type="xsd:string">10.4.10.189</internalIP>
  <externalIP xsi:type="xsd:string">10.4.10.189</externalIP>
  <physicalId xsi:type="xsd:string">B41E939B,0007E93AA727</physicalId>
  <lastTimeOnlineChange xsi:type="xsd:string">2003-10-13 13:03:56 (GMT-
7:00)</lastTimeOnlineChange>
  <createDate xsi:type="xsd:string">2003-10-13 13:00:19 (GMT-7:00)</createDate>
  <deleteDate xsi:type="xsd:string">2003-10-13 13:03:56 (GMT-7:00)</deleteDate>
  <launcherVersion xsi:type="xsd:string">275</launcherVersion>

```

```

</multiRef>
<multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns5:Host" xmlns:ns5="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">13199</id>
  <name xsi:type="xsd:string">Office</name>
  <status xsi:type="xsd:string">Deleted</status>
  <isOnline href="#id12" />
  <isShared href="#id13" />
  <ownerId xsi:type="xsd:string">367567165</ownerId>
  <internalIP xsi:type="xsd:string">10.4.10.43</internalIP>
  <externalIP xsi:type="xsd:string">10.4.10.43</externalIP>
  <physicalId xsi:type="xsd:string">8885CBF8,0007E99F7140</physicalId>
  <lastTimeOnlineChange xsi:type="xsd:string">2003-07-21 10:41:07 (GMT-
7:00)</lastTimeOnlineChange>
  <createDate xsi:type="xsd:string">2003-07-18 16:03:54 (GMT-7:00)</createDate>
  <deleteDate xsi:type="xsd:string">2003-07-21 11:10:32 (GMT-7:00)</deleteDate>
  <launcherVersion xsi:type="xsd:string">275</launcherVersion>
</multiRef>
<multiRef id="id5" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns6:Host" xmlns:ns6="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">13475</id>
  <name xsi:type="xsd:string">Offic</name>
  <status xsi:type="xsd:string">Active</status>
  <isOnline href="#id14" />
  <isShared href="#id15" />
  <ownerId xsi:type="xsd:string">367567165</ownerId>
  <internalIP
xsi:type="xsd:string">10.4.10.189,192.168.50.1,192.168.159.1</internalIP>
  <externalIP xsi:type="xsd:string">10.4.10.189</externalIP>
  <physicalId
xsi:type="xsd:string">B41E939B,0007E93AA727,005056C00001,005056C00008</physicalId>
  <lastTimeOnlineChange xsi:type="xsd:string">2003-11-05 09:57:44 (GMT-
8:00)</lastTimeOnlineChange>
  <createDate xsi:type="xsd:string">2003-11-05 09:53:02 (GMT-8:00)</createDate>
  <deleteDate xsi:type="xsd:string">
</deleteDate>
  <launcherVersion xsi:type="xsd:string">276</launcherVersion>
</multiRef>
<multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns7:Host" xmlns:ns7="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">13253</id>
  <name xsi:type="xsd:string">Office</name>
  <status xsi:type="xsd:string">Deleted</status>
  <isOnline href="#id16" />
  <isShared href="#id17" />
  <ownerId xsi:type="xsd:string">367567165</ownerId>
  <internalIP xsi:type="xsd:string">10.4.10.43</internalIP>
  <externalIP xsi:type="xsd:string">10.4.10.43</externalIP>
  <physicalId xsi:type="xsd:string">8885CBF8,0007E99F7140</physicalId>

```

```

    <lastTimeOnlineChange xsi:type="xsd:string">2003-08-20 10:42:28 (GMT-
7:00)</lastTimeOnlineChange>
    <createDate xsi:type="xsd:string">2003-07-29 12:44:56 (GMT-7:00)</createDate>
    <deleteDate xsi:type="xsd:string">2003-10-13 13:00:19 (GMT-7:00)</deleteDate>
    <launcherVersion xsi:type="xsd:string">275</launcherVersion>
  </multiRef>
  <multiRef id="id6" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id15" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id7" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id9" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id16" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id17" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id8" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id13" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id12" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id11" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id10" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    <multiRef id="id14" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

getHosts

We can also get all hosts for a specific group ID. Here we use the connection ID "168545:FB7FD2C007B8294" and the group ID "2898"

The response is an array of six Host data objects:

Host Object 1:

- Id = 13204
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.43"
- externalIP = "10.4.10.43"
- physicalId = "8885CBF8,0007E99F7140"
- lastTimeOnlineChange = "2003-07-29 12:38:19(GMT-7:00)"
- createDate = "2003-07-21 11:10:32(GMT-7:00)"
- deleteDate = "2003-07-29 12:44:56(GMT-7:00)"
- launcherVersion = "275"

Host Object 2:

- Id = 13395
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.189"
- externalIP = NULL
- physicalId = NULL
- lastTimeOnlineChange = "2003-10-13 13:12:40(GMT-7:00)"
- createDate = "2003-10-13 13:03:57(GMT-7:00)"
- deleteDate = "2003-10-23 09:23:14(GMT-7:00)"
- launcherVersion = "186"

Host Object 3:

- Id = 13394
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.189"
- externalIP = "10.4.10.189"
- physicalId = "B41E939B,0007E93AA727"
- lastTimeOnlineChange = "2003-10-13 13:03:56(GMT-7:00)"
- createDate = "2003-10-13 13:00:19(GMT-7:00)"
- deleteDate = "2003-10-13 13:03:56(GMT-7:00)"
- launcherVersion = "275"

Host Object 4:

- Id = 13199
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.43"
- externalIP = "10.4.10.43"
- physicalId = "8885CBF8,0007E99F7140"
- lastTimeOnlineChange = "2003-07-21 10:41:07(GMT-7:00)"
- createDate = "2003-07-18 16:03:54(GMT-7:00)"
- deleteDate = "2003-07-21 11:10:32(GMT-7:00)"
- launcherVersion = "275"

Host Object 5:

- Id = 13475
- Name = "Offic"
- Status = "Active"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.189,192.168.50.1,192.168.159.1"
- externalIP = "10.4.10.189"
- physicalId = "B41E939B,0007E93AA727,005056C00001,005056C00008"
- lastTimeOnlineChange = "2003-11-05 09:57:44(GMT-8:00)"
- createDate = "2003-11-05 09:53:02(GMT-8:00)"
- deleteDate = NULL
- launcherVersion = "276"

Host Object 6:

- Id = 13253
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.43"
- externalIP = "10.4.10.43"
- physicalId = "8885CBF8,0007E99F7140"
- lastTimeOnlineChange = "2003-08-20 10:42:28(GMT-7:00)"
- createDate = "2003-07-29 12:44:56(GMT-7:00)"
- deleteDate = "2003-10-13 13:00:19(GMT-7:00)"
- launcherVersion = "275"

Listing 24 getHosts Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 569
```

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getHosts>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <groupId xsi:type="xsd:string">2898</groupId>
    </impl:getHosts>
  </soap:Body>
</soap:Envelope>

```

Listing 25 getHosts Response

```

HTTP 200
Date: Fri, 10 Feb 2006 23:27:48 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=05Aug2E49bch-Qsw; path=/
Keep-Alive: timeout=15, max=13
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getHostsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <hosts soapenc:arrayType="ns1:Host[6]" xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <hosts href="#id0" />
        <hosts href="#id1" />
        <hosts href="#id2" />
        <hosts href="#id3" />
        <hosts href="#id4" />
        <hosts href="#id5" />
      </hosts>
    </ns1:getHostsResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Host" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">13199</id>
      <name xsi:type="xsd:string">Office</name>
      <status xsi:type="xsd:string">Deleted</status>
      <isOnline href="#id6" />
      <isShared href="#id7" />
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

```

    <ownerId xsi:type="xsd:string">367567165</ownerId>
    <internalIP xsi:type="xsd:string">10.4.10.43</internalIP>
    <externalIP xsi:type="xsd:string">10.4.10.43</externalIP>
    <physicalId xsi:type="xsd:string">8885CBF8,0007E99F7140</physicalId>
    <lastTimeOnlineChange xsi:type="xsd:string">2003-07-21 10:41:07 (GMT-
7:00)</lastTimeOnlineChange>
    <createDate xsi:type="xsd:string">2003-07-18 16:03:54 (GMT-7:00)</createDate>
    <deleteDate xsi:type="xsd:string">2003-07-21 11:10:32 (GMT-7:00)</deleteDate>
    <launcherVersion xsi:type="xsd:string">275</launcherVersion>
  </multiRef>
  <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:Host" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
    <id xsi:type="xsd:string">13204</id>
    <name xsi:type="xsd:string">Office</name>
    <status xsi:type="xsd:string">Deleted</status>
    <isOnline href="#id8" />
    <isShared href="#id9" />
    <ownerId xsi:type="xsd:string">367567165</ownerId>
    <internalIP xsi:type="xsd:string">10.4.10.43</internalIP>
    <externalIP xsi:type="xsd:string">10.4.10.43</externalIP>
    <physicalId xsi:type="xsd:string">8885CBF8,0007E99F7140</physicalId>
    <lastTimeOnlineChange xsi:type="xsd:string">2003-07-29 12:38:19 (GMT-
7:00)</lastTimeOnlineChange>
    <createDate xsi:type="xsd:string">2003-07-21 11:10:32 (GMT-7:00)</createDate>
    <deleteDate xsi:type="xsd:string">2003-07-29 12:44:56 (GMT-7:00)</deleteDate>
    <launcherVersion xsi:type="xsd:string">275</launcherVersion>
  </multiRef>
  <multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns4:Host" xmlns:ns4="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
    <id xsi:type="xsd:string">13394</id>
    <name xsi:type="xsd:string">Office</name>
    <status xsi:type="xsd:string">Deleted</status>
    <isOnline href="#id10" />
    <isShared href="#id11" />
    <ownerId xsi:type="xsd:string">367567165</ownerId>
    <internalIP xsi:type="xsd:string">10.4.10.189</internalIP>
    <externalIP xsi:type="xsd:string">10.4.10.189</externalIP>
    <physicalId xsi:type="xsd:string">B41E939B,0007E93AA727</physicalId>
    <lastTimeOnlineChange xsi:type="xsd:string">2003-10-13 13:03:56 (GMT-
7:00)</lastTimeOnlineChange>
    <createDate xsi:type="xsd:string">2003-10-13 13:00:19 (GMT-7:00)</createDate>
    <deleteDate xsi:type="xsd:string">2003-10-13 13:03:56 (GMT-7:00)</deleteDate>
    <launcherVersion xsi:type="xsd:string">275</launcherVersion>
  </multiRef>
  <multiRef id="id4" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns5:Host" xmlns:ns5="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
    <id xsi:type="xsd:string">13395</id>
    <name xsi:type="xsd:string">Office</name>
    <status xsi:type="xsd:string">Deleted</status>
    <isOnline href="#id12" />

```

```

    <isShared href="#id13" />
    <ownerId xsi:type="xsd:string">367567165</ownerId>
    <internalIP xsi:type="xsd:string">
    </internalIP>
    <externalIP xsi:type="xsd:string">10.4.10.189</externalIP>
    <physicalId xsi:type="xsd:string">
    </physicalId>
    <lastTimeOnlineChange xsi:type="xsd:string">2003-10-13 13:12:40 (GMT-
7:00)</lastTimeOnlineChange>
    <createDate xsi:type="xsd:string">2003-10-13 13:03:57 (GMT-7:00)</createDate>
    <deleteDate xsi:type="xsd:string">2003-10-23 09:23:14 (GMT-7:00)</deleteDate>
    <launcherVersion xsi:type="xsd:string">186</launcherVersion>
  </multiRef>
  <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns6:Host" xmlns:ns6="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
    <id xsi:type="xsd:string">13253</id>
    <name xsi:type="xsd:string">Office</name>
    <status xsi:type="xsd:string">Deleted</status>
    <isOnline href="#id14" />
    <isShared href="#id15" />
    <ownerId xsi:type="xsd:string">367567165</ownerId>
    <internalIP xsi:type="xsd:string">10.4.10.43</internalIP>
    <externalIP xsi:type="xsd:string">10.4.10.43</externalIP>
    <physicalId xsi:type="xsd:string">8885CBF8,0007E99F7140</physicalId>
    <lastTimeOnlineChange xsi:type="xsd:string">2003-08-20 10:42:28 (GMT-
7:00)</lastTimeOnlineChange>
    <createDate xsi:type="xsd:string">2003-07-29 12:44:56 (GMT-7:00)</createDate>
    <deleteDate xsi:type="xsd:string">2003-10-13 13:00:19 (GMT-7:00)</deleteDate>
    <launcherVersion xsi:type="xsd:string">275</launcherVersion>
  </multiRef>
  <multiRef id="id5" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns7:Host" xmlns:ns7="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
    <id xsi:type="xsd:string">13475</id>
    <name xsi:type="xsd:string">Offic</name>
    <status xsi:type="xsd:string">Active</status>
    <isOnline href="#id16" />
    <isShared href="#id17" />
    <ownerId xsi:type="xsd:string">367567165</ownerId>
    <internalIP
xsi:type="xsd:string">10.4.10.189,192.168.50.1,192.168.159.1</internalIP>
    <externalIP xsi:type="xsd:string">10.4.10.189</externalIP>
    <physicalId
xsi:type="xsd:string">B41E939B,0007E93AA727,005056C00001,005056C00008</physicalId>
    <lastTimeOnlineChange xsi:type="xsd:string">2003-11-05 09:57:44 (GMT-
8:00)</lastTimeOnlineChange>
    <createDate xsi:type="xsd:string">2003-11-05 09:53:02 (GMT-8:00)</createDate>
    <deleteDate xsi:type="xsd:string">
    </deleteDate>
    <launcherVersion xsi:type="xsd:string">276</launcherVersion>
  </multiRef>
  <multiRef id="id12" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"

```

```
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id10" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id9" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id16" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id14" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id15" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id8" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id7" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id17" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id13" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id11" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  <multiRef id="id6" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">>false</multiRef>
  </soapenv:Body>
</soapenv:Envelope>
```

getHost

Lastly, if we know the host Id we can get the Host data object for it. Here we specify the connection ID "168545:FB7FD2C007B8294" and hostID "13253".

The result is a single Host data object:

- Id = 13253
- Name = "Office"
- Status = "Deleted"
- isOnline = false
- isShared = false
- ownerId = "367567165"
- internalIP = "10.4.10.43"
- externalIP = "10.4.10.43"
- physicalId = "8885CBF8,0007E99F7140"
- lastTimeOnlineChange = "2003-08-20 10:42:28(GMT-7:00)"
- createDate = "2003-07-29 12:44:56(GMT-7:00)"
- deleteDate = "2003-10-13 13:00:19(GMT-7:00)"
- launcherVersion = "275"

Listing 26 getHost Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 566

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getHost>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    <hostId xsi:type="xsd:string">13253</hostId>
  </impl:getHost>
</soap:Body>
</soap:Envelope>
```

Listing 27 getHost Response

```

HTTP 200
Date: Fri, 10 Feb 2006 23:30:09 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=3t1RYJv1blf1rlntw; path=/
Keep-Alive: timeout=15, max=15
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getHostResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <host href="#id0" />
    </ns1:getHostResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Host"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">13253</id>
      <name xsi:type="xsd:string">Office</name>
      <status xsi:type="xsd:string">Deleted</status>
      <isOnline href="#id1" />
      <isShared href="#id2" />
      <ownerId xsi:type="xsd:string">367567165</ownerId>
      <internalIP xsi:type="xsd:string">10.4.10.43</internalIP>
      <externalIP xsi:type="xsd:string">10.4.10.43</externalIP>
      <physicalId xsi:type="xsd:string">8885CBF8,0007E99F7140</physicalId>
      <lastTimeOnlineChange xsi:type="xsd:string">2003-08-20 10:42:28(GMT-
7:00)</lastTimeOnlineChange>
      <createDate xsi:type="xsd:string">2003-07-29 12:44:56(GMT-
7:00)</createDate>
      <deleteDate xsi:type="xsd:string">2003-10-13 13:00:19(GMT-
7:00)</deleteDate>
      <launcherVersion xsi:type="xsd:string">275</launcherVersion>
    </multiRef>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
      <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:boolean"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">false</multiRef>
    </soapenv:Body>
  </soapenv:Envelope>

```

getConnections

Now we get all connections for 2/10/06

The result is an array of one Connection data object:

- type = "Normal"
- status = "Successful"
- startTime = "2006-02-10 15:52:13(GMT-8:00)"
- duration = "15s"
- userId = "367567165"
- groupId = "2899"
- hostId = 18761
- remoteIP = "10.1.35.20"
- guestEmail = "NA"

Listing 28 getConnections Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 720

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getConnections>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    <groupId xsi:type="xsd:string"/>
    <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
    <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
  </impl:getConnections>
</soap:Body>
</soap:Envelope>
```


Listing 29 getConnections Response

```

HTTP 200
Date: Fri, 10 Feb 2006 23:53:34 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=v6mk5CkXTKdvBKyw; path=/
Keep-Alive: timeout=15, max=92
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getConnectionsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <connections soapenc:arrayType="ns1:Connection[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <connections href="#id0" />
      </connections>
    </ns1:getConnectionsResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Connection"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <type xsi:type="xsd:string">Normal</type>
      <status xsi:type="xsd:string">Successful</status>
      <startTime xsi:type="xsd:string">2006-02-10 15:52:13 (GMT-
8:00)</startTime>
      <duration xsi:type="xsd:string">15s</duration>
      <userId xsi:type="xsd:string">367567165</userId>
      <groupId xsi:type="xsd:string">2899</groupId>
      <hostId xsi:type="xsd:string">18761</hostId>
      <remoteIP xsi:type="xsd:string">10.1.35.20</remoteIP>
      <guestEmail xsi:type="xsd:string">NA</guestEmail>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

getGuestConnections

We can also get connection information for guest connections. Here we get the connections for 02/10/2006

The result is an array of one Connection data object:

- type = "Guest"
- status = "Successful"
- startTime = "2006-02-10 15:52:55(GMT-8:00)"
- duration = "--"
- userId = "367567165"
- groupId = "2899"
- hostId = 18761
- remoteIP = "10.1.35.20"
- guestEmail = "guest@email.com"

Listing 30 getGuestConnections Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 730

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getGuestConnections>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    <groupId xsi:type="xsd:string"/>
    <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
    <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
  </impl:getGuestConnections>
</soap:Body>
</soap:Envelope>
```

Listing 31 getGuestConnections Response

```

HTTP 200
Date: Fri, 10 Feb 2006 23:57:26 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=a7mUcux82G8a7Czw; path=/
Keep-Alive: timeout=15, max=37
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGuestConnectionsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <guestconnections soapenc:arrayType="ns1:Connection[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <guestconnections href="#id0" />
      </guestconnections>
    </ns1:getGuestConnectionsResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Connection"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <type xsi:type="xsd:string">Guest</type>
      <status xsi:type="xsd:string">Successful</status>
      <startTime xsi:type="xsd:string">2006-02-10 15:52:55 (GMT-
8:00)</startTime>
      <duration xsi:type="xsd:string">--</duration>
      <userId xsi:type="xsd:string">367567165</userId>
      <groupId xsi:type="xsd:string">2899</groupId>
      <hostId xsi:type="xsd:string">18761</hostId>
      <remoteIP xsi:type="xsd:string">10.1.35.20</remoteIP>
      <guestEmail xsi:type="xsd:string">guest@email.com</guestEmail>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

getLoginsByUser

We can get login data for a specific user using this call. Here we get all login data for user ID "367567165" for the date of 02/10/2006

The result is an array of one Login data object:

- loginTime = "2006-02-10 15:49:58(GMT-8:00)"
- logoutTime = NULL
- userId = "367567165"
- remoteIP = "10.1.35.33"
- autoLogin = "False"

Listing 32 getLoginsByUser Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 738

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getLoginsByUser>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">367567165</userId>
      <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
      <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
    </impl:getLoginsByUser>
  </soap:Body>
</soap:Envelope>
```

Listing 33 getLoginsByUser Response

```
HTTP 200
Date: Sat, 11 Feb 2006 00:07:58 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=1UL79xXu9_fkv3Bw; path=/
Keep-Alive: timeout=15, max=98
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getLoginsByUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <logins soapenc:arrayType="ns1:Login[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <logins href="#id0" />
      </logins>
    </ns1:getLoginsByUserResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Login"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <loginTime xsi:type="xsd:string">2006-02-10 15:49:58 (GMT-
8:00)</loginTime>
      <logoutTime xsi:type="xsd:string">
</logoutTime>
      <userId xsi:type="xsd:string">367567165</userId>
      <remoteIP xsi:type="xsd:string">10.1.35.33</remoteIP>
      <autoLogin xsi:type="xsd:string">False</autoLogin>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>
```

getLogin

If we have a user ID and the login ID of their last login from a Member data object, we can get specific data about that login. Here we request the login Id "30532" for userId "367567165"

The result is an array of one Login data object:

- loginTime = "2006-02-10 15:49:58(GMT-8:00)"
- logoutTime = NULL
- userId = "367567165"
- remoteIP = "10.1.35.33"
- autoLogin = "False"

Listing 34 getLogin Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 625

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getLogin>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    <loginId xsi:type="xsd:string">30532</loginId>
    <userId xsi:type="xsd:string">367567165</userId>
  </impl:getLogin>
</soap:Body>
</soap:Envelope>
```

Listing 35 getLogin Response

```
HTTP/1.1 200 OK
Date: Sat, 11 Feb 2006 00:20:04 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=Ju7P05OLAt4fBOEw; path=/
Keep-Alive: timeout=15, max=86
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
```

```
<ns1:getLoginResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
  <login href="#id0" />
</ns1:getLoginResponse>
<multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Login"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
  <loginTime xsi:type="xsd:string">2006-02-10 15:49:58 (GMT-
8:00)</loginTime>
  <logoutTime xsi:type="xsd:string">
</logoutTime>
  <userId xsi:type="xsd:string">367567165</userId>
  <remoteIP xsi:type="xsd:string">10.1.35.33</remoteIP>
  <autoLogin xsi:type="xsd:string">False</autoLogin>
</multiRef>
</soapenv:Body>
</soapenv:Envelope>
```

getUserEvents

We can get user events using this call. Here we get all user events for the date 02/10/2006

The result is an array of two UserEvent data objects:

UserEvent Object 1:

- time = "2006-02-10 15:40:49(GMT-8:00)"
- userId = "367567165"
- type = "Unsuspend"
- managerId = "47880492"
- groupId = "2899"
- hostId = "0"

UserEvent Object 2:

- time = "2006-02-10 15:40:46(GMT-8:00)"
- userId = "367567165"
- type = "Suspend"
- managerId = "47880492"
- groupId = "2899"
- hostId = "0"

Listing 36 getUserEvents Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 718

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUserEvents>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <groupId xsi:type="xsd:string"/>
      <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
      <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
    </impl:getUserEvents>
  </soap:Body>
</soap:Envelope>
```


Listing 37 getUserEvents Response

```

HTTP 200
Date: Sat, 11 Feb 2006 00:24:11 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=EoP6CYYv146dUKFw; path=/
Keep-Alive: timeout=15, max=61
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUserEventsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <userevents soapenc:arrayType="ns1:UserEvent[2]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <userevents href="#id0" />
        <userevents href="#id1" />
      </userevents>
    </ns1:getUserEventsResponse>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:UserEvent"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <time xsi:type="xsd:string">2006-02-10 15:40:49 (GMT-8:00)</time>
      <userId xsi:type="xsd:string">367567165</userId>
      <type xsi:type="xsd:string">Unsuspend</type>
      <managerId xsi:type="xsd:string">47880492</managerId>
      <groupId xsi:type="xsd:string">2899</groupId>
      <hostId xsi:type="xsd:string">0</hostId>
    </multiRef>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:UserEvent" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
      <time xsi:type="xsd:string">2006-02-10 15:40:46 (GMT-8:00)</time>
      <userId xsi:type="xsd:string">367567165</userId>
      <type xsi:type="xsd:string">Suspend</type>
      <managerId xsi:type="xsd:string">47880492</managerId>
      <groupId xsi:type="xsd:string">2899</groupId>
      <hostId xsi:type="xsd:string">0</hostId>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

getUserEventsByUser

We can also get all user events for a specific user. Here we get events for user Id "367567165" for the date 02/10/2006

The result is an array of three UserEvent data objects:

UserEvent Object 1:

- time = "2006-02-10 15:40:49(GMT-8:00)"
- userId = "367567165"
- type = "Unsuspend"
- managerId = "47880492"
- groupId = "2899"
- hostId = "0"

UserEvent Object 2:

- time = "2006-02-10 15:40:46(GMT-8:00)"
- userId = "367567165"
- type = "Suspend"
- managerId = "47880492"
- groupId = "2899"
- hostId = "0"

UserEvent Object 3:

- time = "2006-02-10 15:51:21(GMT-8:00)"
- userId = "367567165"
- type = "Change Access Code"
- managerId = "0"
- groupId = "0"
- hostId = "19640"

Listing 38 getUserEventsByUser Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 746

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUserEventsByUser>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">367567165</userId>
      <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
```

```

        <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
    </impl:getUserEventsByUser>
</soap:Body>
</soap:Envelope>

```

Listing 39 getUserEventsByUser Response

```

HTTP 200
Date: Sat, 11 Feb 2006 00:30:34 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=1j-CC-bqZbfbwchW; path=/
Keep-Alive: timeout=15, max=84
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <soapenv:Body>
        <ns1:getUserEventsByUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
            <userevents soapenc:arrayType="ns1:UserEvent[3]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
                <userevents href="#id0" />
                <userevents href="#id1" />
                <userevents href="#id2" />
            </userevents>
        </ns1:getUserEventsByUserResponse>
        <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:UserEvent"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
            <time xsi:type="xsd:string">2006-02-10 15:40:46 (GMT-8:00)</time>
            <userId xsi:type="xsd:string">367567165</userId>
            <type xsi:type="xsd:string">Suspend</type>
            <managerId xsi:type="xsd:string">47880492</managerId>
            <groupId xsi:type="xsd:string">2899</groupId>
            <hostId xsi:type="xsd:string">0</hostId>
        </multiRef>
        <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:UserEvent" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
            <time xsi:type="xsd:string">2006-02-10 15:40:49 (GMT-8:00)</time>
            <userId xsi:type="xsd:string">367567165</userId>
            <type xsi:type="xsd:string">Unsuspend</type>
            <managerId xsi:type="xsd:string">47880492</managerId>
            <groupId xsi:type="xsd:string">2899</groupId>

```

```

    <hostId xsi:type="xsd:string">0</hostId>
  </multiRef>
  <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns4:UserEvent" xmlns:ns4="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <time xsi:type="xsd:string">2006-02-10 15:51:21 (GMT-8:00)</time>
  <userId xsi:type="xsd:string">367567165</userId>
  <type xsi:type="xsd:string">Change Access Code</type>
  <managerId xsi:type="xsd:string">0</managerId>
  <groupId xsi:type="xsd:string">0</groupId>
  <hostId xsi:type="xsd:string">19640</hostId>
</multiRef>
</soapenv:Body>
</soapenv:Envelope>

```

getCompanyFeatures

We can determine the the status of all features for the company with this call. Here we specify the connection Id "168545:FB7FD2C007B8294"

The result is a single Features data object:

- Id = 2898
- accessTimes = NULL
- acExpirePeriod = "Never"
- acHardLockoutAttempts = "None"
- acHistorySize = "None"
- acNotificationPeriod = "Never"
- acSoftLockoutMinutes = "5"
- authenticationPolicy = NULL
- chat = "On"
- desktopShortcut = "On"
- enableSharedClipboard="On"
- fileTransfer = "On"
- forceBlackHost = "Off"
- forceLockHost = "Off"
- forceLockMouseKeyboard = "Off"
- inactivityTimeoutMaxValue = "No Limit"
- inactivityTimeoutVisible = "On"
- inviteGuest = "On"
- ntEventLogging = "Off"
- groupPCLimit = NULL
- pcMaxValue = "No Limit"
- pwExpirePeriod = "Never"
- pwHardLockoutAttempts = "None"
- pwHistorySize = "None"
- pwNotificationPeriod = "Never"
- pwSoftLockoutMinutes = "5"
- remotePrinting = "On"
- whiteboard = "On"
- color24Bit = NULL
- inSessionReboot = NULL
- sharedAccess = NULL

Listing 40 getCompanyFeatures Request

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 537

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getCompanyFeatures>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      </impl:getCompanyFeatures>
    </soap:Body>
  </soap:Envelope>

```

Listing 41 getCompanyFeatures Response

```

HTTP 200
Date: Sat, 11 Feb 2006 00:41:10 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=m8smVYJg81-9MDJw; path=/
Keep-Alive: timeout=15, max=93
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getCompanyFeaturesResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <companyfeatures href="#id0" />
    </ns1:getCompanyFeaturesResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Features"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">2898</id>
      <accessTimes xsi:type="xsd:string">
</accessTimes>

```

```

    <acExpirePeriod xsi:type="xsd:string">Never</acExpirePeriod>
    <acHardLockoutAttempts
xsi:type="xsd:string">None</acHardLockoutAttempts>
    <acHistorySize xsi:type="xsd:string">None</acHistorySize>
    <acNotificationPeriod
xsi:type="xsd:string">Never</acNotificationPeriod>
    <acSoftLockoutMinutes
xsi:type="xsd:string">5</acSoftLockoutMinutes>
    <authenticationPolicy xsi:type="xsd:string">
</authenticationPolicy>
    <chat xsi:type="xsd:string">On</chat>
    <desktopShortcut xsi:type="xsd:string">On</desktopShortcut>
    <enableSharedClipboard
xsi:type="xsd:string">On</enableSharedClipboard>
    <fileTransfer xsi:type="xsd:string">On</fileTransfer>
    <forceBlankHost xsi:type="xsd:string">Off</forceBlankHost>
    <forceLockHost xsi:type="xsd:string">Off</forceLockHost>
    <forceLockMouseKeyboard
xsi:type="xsd:string">Off</forceLockMouseKeyboard>
    <inactivityTimeoutMaxValue xsi:type="xsd:string">No
Limit</inactivityTimeoutMaxValue>
    <inactivityTimeoutVisible
xsi:type="xsd:string">On</inactivityTimeoutVisible>
    <inviteGuest xsi:type="xsd:string">On</inviteGuest>
    <ntEventLogging xsi:type="xsd:string">Off</ntEventLogging>
    <groupPCLimit xsi:type="xsd:string">
</groupPCLimit>
    <pcMaxValue xsi:type="xsd:string">No Limit</pcMaxValue>
    <pwExpirePeriod xsi:type="xsd:string">Never</pwExpirePeriod>
    <pwHardLockoutAttempts
xsi:type="xsd:string">None</pwHardLockoutAttempts>
    <pwHistorySize xsi:type="xsd:string">None</pwHistorySize>
    <pwNotificationPeriod
xsi:type="xsd:string">Never</pwNotificationPeriod>
    <pwSoftLockoutMinutes
xsi:type="xsd:string">5</pwSoftLockoutMinutes>
    <remotePrinting xsi:type="xsd:string">On</remotePrinting>
    <whiteboard xsi:type="xsd:string">On</whiteboard>
    <color24Bit xsi:type="xsd:string">
</color24Bit>
    <inSessionReboot xsi:type="xsd:string">
</inSessionReboot>
    <sharedAccess xsi:type="xsd:string">
</sharedAccess>
</multiRef>
</soapenv:Body>
</soapenv:Envelope>

```

getGroupFeatures

We can request the features for a particular group using this call. Here we request the features for group Id 2898.

The result is a single Features data object:

- Id = 2898
- accessTimes = NULL
- acExpirePeriod = "Never"
- acHardLockoutAttempts = "None"
- acHistorySize = "None"
- acNotificationPeriod = "Never"
- acSoftLockoutMinutes = "5"
- authenticationPolicy = NULL
- chat = "On"
- desktopShortcut = "On"
- enableSharedClipboard="On"
- fileTransfer = "On"
- forceBlackHost = "Off"
- forceLockHost = "Off"
- forceLockMouseKeyboard = "Off"
- inactivityTimeoutMaxValue = "No Limit"
- inactivityTimeoutVisible = "On"
- inviteGuest = "On"
- ntEventLogging = "Off"
- groupPCLimit = NULL
- pcMaxValue = "No Limit"
- pwExpirePeriod = "Never"
- pwHardLockoutAttempts = "None"
- pwHistorySize = "None"
- pwNotificationPeriod = "Never"
- pwSoftLockoutMinutes = "5"
- remotePrinting = "On"
- whiteboard = "On"
- color24Bit = NULL
- inSessionReboot = NULL
- sharedAccess = NULL

Listing 42 getGroupFeatures Request

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 585

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getGroupFeatures>
    <connectionId
xsi:type="xsd:string">168569:7F7BF83244E7946</connectionId>
    <groupId xsi:type="xsd:string">2898</groupId>
  </impl:getGroupFeatures>
</soap:Body>
</soap:Envelope>

```

Listing 43 getGroupFeatures Response

```

HTTP 200
Date: Sat, 11 Feb 2006 00:42:16 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=ekR-4yQFgZ4rYTJw; path=/
Keep-Alive: timeout=15, max=71
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGroupFeaturesResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <groupfeatures soapenc:arrayType="ns1:Features[2]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <groupfeatures href="#id0" />
        <groupfeatures href="#id1" />
      </groupfeatures>
    </ns1:getGroupFeaturesResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Features"

```



```

xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
  <id xsi:type="xsd:string">2898</id>
  <accessTimes xsi:type="xsd:string">
  </accessTimes>
  <acExpirePeriod xsi:type="xsd:string">Never</acExpirePeriod>
  <acHardLockoutAttempts
xsi:type="xsd:string">None</acHardLockoutAttempts>
  <acHistorySize xsi:type="xsd:string">None</acHistorySize>
  <acNotificationPeriod
xsi:type="xsd:string">Never</acNotificationPeriod>
  <acSoftLockoutMinutes
xsi:type="xsd:string">5</acSoftLockoutMinutes>
  <authenticationPolicy xsi:type="xsd:string">
  </authenticationPolicy>
  <chat xsi:type="xsd:string">On</chat>
  <desktopShortcut xsi:type="xsd:string">On</desktopShortcut>
  <enableSharedClipboard
xsi:type="xsd:string">On</enableSharedClipboard>
  <fileTransfer xsi:type="xsd:string">On</fileTransfer>
  <forceBlankHost xsi:type="xsd:string">Off</forceBlankHost>
  <forceLockHost xsi:type="xsd:string">On</forceLockHost>
  <forceLockMouseKeyboard
xsi:type="xsd:string">Off</forceLockMouseKeyboard>
  <inactivityTimeoutMaxValue xsi:type="xsd:string">No
Limit</inactivityTimeoutMaxValue>
  <inactivityTimeoutVisible
xsi:type="xsd:string">On</inactivityTimeoutVisible>
  <inviteGuest xsi:type="xsd:string">On</inviteGuest>
  <ntEventLogging xsi:type="xsd:string">Off</ntEventLogging>
  <groupPCLimit xsi:type="xsd:string">
  </groupPCLimit>
  <pcMaxValue xsi:type="xsd:string">No Limit</pcMaxValue>
  <pwExpirePeriod xsi:type="xsd:string">Never</pwExpirePeriod>
  <pwHardLockoutAttempts
xsi:type="xsd:string">None</pwHardLockoutAttempts>
  <pwHistorySize xsi:type="xsd:string">None</pwHistorySize>
  <pwNotificationPeriod
xsi:type="xsd:string">Never</pwNotificationPeriod>
  <pwSoftLockoutMinutes
xsi:type="xsd:string">5</pwSoftLockoutMinutes>
  <remotePrinting xsi:type="xsd:string">On</remotePrinting>
  <whiteboard xsi:type="xsd:string">On</whiteboard>
  <color24Bit xsi:type="xsd:string">
  </color24Bit>
  <inSessionReboot xsi:type="xsd:string">
  </inSessionReboot>
  <sharedAccess xsi:type="xsd:string">
  </sharedAccess>
  </multiRef>
  <multiRef id="idl" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:Features" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">2899</id>
  <accessTimes xsi:type="xsd:string">

```

```

    </accessTimes>
    <acExpirePeriod xsi:type="xsd:string">Never</acExpirePeriod>
    <acHardLockoutAttempts
xsi:type="xsd:string">None</acHardLockoutAttempts>
    <acHistorySize xsi:type="xsd:string">None</acHistorySize>
    <acNotificationPeriod
xsi:type="xsd:string">Never</acNotificationPeriod>
    <acSoftLockoutMinutes
xsi:type="xsd:string">5</acSoftLockoutMinutes>
    <authenticationPolicy xsi:type="xsd:string">
</authenticationPolicy>
    <chat xsi:type="xsd:string">On</chat>
    <desktopShortcut xsi:type="xsd:string">On</desktopShortcut>
    <enableSharedClipboard
xsi:type="xsd:string">On</enableSharedClipboard>
    <fileTransfer xsi:type="xsd:string">On</fileTransfer>
    <forceBlankHost xsi:type="xsd:string">On</forceBlankHost>
    <forceLockHost xsi:type="xsd:string">On</forceLockHost>
    <forceLockMouseKeyboard
xsi:type="xsd:string">On</forceLockMouseKeyboard>
    <inactivityTimeoutMaxValue xsi:type="xsd:string">No
Limit</inactivityTimeoutMaxValue>
    <inactivityTimeoutVisible
xsi:type="xsd:string">On</inactivityTimeoutVisible>
    <inviteGuest xsi:type="xsd:string">On</inviteGuest>
    <ntEventLogging xsi:type="xsd:string">On</ntEventLogging>
    <groupPCLimit xsi:type="xsd:string">
</groupPCLimit>
    <pcMaxValue xsi:type="xsd:string">No Limit</pcMaxValue>
    <pwExpirePeriod xsi:type="xsd:string">Never</pwExpirePeriod>
    <pwHardLockoutAttempts
xsi:type="xsd:string">None</pwHardLockoutAttempts>
    <pwHistorySize xsi:type="xsd:string">None</pwHistorySize>
    <pwNotificationPeriod
xsi:type="xsd:string">Never</pwNotificationPeriod>
    <pwSoftLockoutMinutes
xsi:type="xsd:string">5</pwSoftLockoutMinutes>
    <remotePrinting xsi:type="xsd:string">On</remotePrinting>
    <whiteboard xsi:type="xsd:string">On</whiteboard>
    <color24Bit xsi:type="xsd:string">
</color24Bit>
    <inSessionReboot xsi:type="xsd:string">
</inSessionReboot>
    <sharedAccess xsi:type="xsd:string">
</sharedAccess>
</multiRef>
</soapenv:Body>
</soapenv:Envelope>

```

getUserFeatures

We can also get the features for a specific user. Here we specify the userId "367567165"

The result is a single Features data object:

- Id = 2898
- accessTimes = NULL
- acExpirePeriod = "Never"
- acHardLockoutAttempts = "None"
- acHistorySize = "None"
- acNotificationPeriod = "Never"
- acSoftLockoutMinutes = "5"
- authenticationPolicy = NULL
- chat = "On"
- desktopShortcut = "On"
- enableSharedClipboard="On"
- fileTransfer = "On"
- forceBlackHost = "Off"
- forceLockHost = "Off"
- forceLockMouseKeyboard = "Off"
- inactivityTimeoutMaxValue = "No Limit"
- inactivityTimeoutVisible = "On"
- inviteGuest = "On"
- ntEventLogging = "Off"
- groupPCLimit = NULL
- pcMaxValue = "No Limit"
- pwExpirePeriod = "Never"
- pwHardLockoutAttempts = "None"
- pwHistorySize = "None"
- pwNotificationPeriod = "Never"
- pwSoftLockoutMinutes = "5"
- remotePrinting = "On"
- whiteboard = "On"
- color24Bit = NULL
- inSessionReboot = NULL
- sharedAccess = NULL

Listing 44 getUserFeatures Request

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 586

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUserFeatures>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">367567165</userId>
    </impl:getUserFeatures>
  </soap:Body>
</soap:Envelope>

```

Listing 45 getUserFeatures Response

```

HTTP 200
Date: Sat, 11 Feb 2006 00:45:02 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=FDq12Ry6ep6DowKw; path=/
Keep-Alive: timeout=15, max=2
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUserFeaturesResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <userfeatures soapenc:arrayType="ns1:Features[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <userfeatures href="#id0" />
      </userfeatures>
    </ns1:getUserFeaturesResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Features"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">

```

```

    <id xsi:type="xsd:string">367567165</id>
    <accessTimes xsi:type="xsd:string">
    </accessTimes>
    <acExpirePeriod xsi:type="xsd:string">Never</acExpirePeriod>
    <acHardLockoutAttempts
xsi:type="xsd:string">None</acHardLockoutAttempts>
    <acHistorySize xsi:type="xsd:string">None</acHistorySize>
    <acNotificationPeriod
xsi:type="xsd:string">Never</acNotificationPeriod>
    <acSoftLockoutMinutes
xsi:type="xsd:string">5</acSoftLockoutMinutes>
    <authenticationPolicy xsi:type="xsd:string">
    </authenticationPolicy>
    <chat xsi:type="xsd:string">On</chat>
    <desktopShortcut xsi:type="xsd:string">On</desktopShortcut>
    <enableSharedClipboard
xsi:type="xsd:string">On</enableSharedClipboard>
    <fileTransfer xsi:type="xsd:string">On</fileTransfer>
    <forceBlankHost xsi:type="xsd:string">Off</forceBlankHost>
    <forceLockHost xsi:type="xsd:string">Off</forceLockHost>
    <forceLockMouseKeyboard
xsi:type="xsd:string">Off</forceLockMouseKeyboard>
    <inactivityTimeoutMaxValue xsi:type="xsd:string">No
Limit</inactivityTimeoutMaxValue>
    <inactivityTimeoutVisible
xsi:type="xsd:string">On</inactivityTimeoutVisible>
    <inviteGuest xsi:type="xsd:string">On</inviteGuest>
    <ntEventLogging xsi:type="xsd:string">Off</ntEventLogging>
    <groupPCLimit xsi:type="xsd:string">
    </groupPCLimit>
    <pcMaxValue xsi:type="xsd:string">No Limit</pcMaxValue>
    <pwExpirePeriod xsi:type="xsd:string">Never</pwExpirePeriod>
    <pwHardLockoutAttempts
xsi:type="xsd:string">None</pwHardLockoutAttempts>
    <pwHistorySize xsi:type="xsd:string">None</pwHistorySize>
    <pwNotificationPeriod
xsi:type="xsd:string">Never</pwNotificationPeriod>
    <pwSoftLockoutMinutes
xsi:type="xsd:string">5</pwSoftLockoutMinutes>
    <remotePrinting xsi:type="xsd:string">On</remotePrinting>
    <whiteboard xsi:type="xsd:string">On</whiteboard>
    <color24Bit xsi:type="xsd:string">
    </color24Bit>
    <inSessionReboot xsi:type="xsd:string">
    </inSessionReboot>
    <sharedAccess xsi:type="xsd:string">
    </sharedAccess>
  </multiRef>
</soapenv:Body>
</soapenv:Envelope>

```

getGuestInvites

We can get guest invitations for a specific group, and date range using this call. Here we specify the group Id 2898 for the date 02/10/2006.

The result is an array of one GuestInvite data objects:

- status = "Accepted"
- createTime = "2006-02-10 16:51:49(GMT-8:00)"
- expirationTime = "2006-02-10 16:51:49(GMT-8:00)"
- guestEmail = "guest@email.com"
- userId = "367567165"
- hostId = "18761"

Listing 46 getGuestInvites Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 735

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getGuestInvites>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    <groupId xsi:type="xsd:string">2898</groupId>
    <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
    <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
  </impl:getGuestInvites>
  </soap:Body>
</soap:Envelope>
```

Listing 47 getGuestInvites Response

```

HTTP 200
Date: Sat, 11 Feb 2006 00:47:53 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=2vEAijH46qdViaLw; path=/
Keep-Alive: timeout=15, max=90
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGuestInvitesResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <guestinvites soapenc:arrayType="ns1:GuestInvite[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <guestinvites href="#id0" />
      </guestinvites>
    </ns1:getGuestInvitesResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:GuestInvite"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <status xsi:type="xsd:string">Accepted</status>
      <createTime xsi:type="xsd:string">2006-02-10 16:51:49 (GMT-
8:00)</createTime>
      <expirationTime xsi:type="xsd:string">2006-02-10 16:51:49 (GMT-
8:00)</expirationTime>
      <guestEmail xsi:type="xsd:string">guest@email.com</guestEmail>
      <userId xsi:type="xsd:string">367567165</userId>
      <hostId xsi:type="xsd:string">18761</hostId>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

getGuestInvitesByUser

We can get all guest invites for a specific user with this call. Here we specify the userId "367567165" for the date 02/10/2006.

The result is an array of one GuestInvite data objects:

- status = "Accepted"
- createTime = "2006-02-10 16:51:49(GMT-8:00)"
- expirationTime = "2006-02-10 16:51:49(GMT-8:00)"
- guestEmail = "guest@email.com"
- userId = "367567165"
- hostId = "18761"

Listing 48 getGuestInvitesByUser Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 750

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getGuestInvitesByUser>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    <userId xsi:type="xsd:string">367567165</userId>
    <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
    <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
  </impl:getGuestInvitesByUser>
</soap:Body>
</soap:Envelope>
```


Listing 49 getGuestInvitesByUser Response

```

HTTP 200
Date: Sat, 11 Feb 2006 00:51:17 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=qZ9NvF-VOq8iXXLw; path=/
Keep-Alive: timeout=15, max=88
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGuestInvitesByUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <guestinvites soapenc:arrayType="ns1:GuestInvite[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <guestinvites href="#id0" />
      </guestinvites>
    </ns1:getGuestInvitesByUserResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:GuestInvite"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <status xsi:type="xsd:string">Accepted</status>
      <createTime xsi:type="xsd:string">2006-02-10 16:51:49 (GMT-
8:00)</createTime>
      <expirationTime xsi:type="xsd:string">2006-02-10 16:51:49 (GMT-
8:00)</expirationTime>
      <guestEmail xsi:type="xsd:string">guest@email.com</guestEmail>
      <userId xsi:type="xsd:string">367567165</userId>
      <hostId xsi:type="xsd:string">18761</hostId>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

getHostAuthEvents

We can get all authentication events for a specific host by specifying the host Id. Here we specify the hostId "18761" for the date 02/10/2006

The result is an array of one AuthEvent data objects:

- time = "2006-02-10 15:49:56(GMT-8:00)"
- type = "Access Code Change"
- description = "Host Event"

Listing 50 getHostAuthEvents Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 738

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getHostAuthEvents>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <hostId xsi:type="xsd:string">18761</hostId>
      <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
      <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
    </impl:getHostAuthEvents>
  </soap:Body>
</soap:Envelope>
```

Listing 51 getHostAuthEvents Response

```
HTTP 200
Date: Sat, 11 Feb 2006 00:54:26 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=gZw-fs1pNL_YfGMw; path=/
Keep-Alive: timeout=15, max=79
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getHostAuthEventsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <hostauthevents soapenc:arrayType="ns1:AuthEvent[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <hostauthevents href="#id0" />
      </hostauthevents>
    </ns1:getHostAuthEventsResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:AuthEvent"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <time xsi:type="xsd:string">2006-02-10 15:49:56(GMT-8:00)</time>
      <type xsi:type="xsd:string">Access Code Change</type>
      <description xsi:type="xsd:string">Host Event</description>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>
```

getWebAuthEvents

We can get all web site authentication events with this call. Here we specify the user Id "367567165" for the date 02/10/2006

The result is an array of one AuthEvent data objects:

- time = "2006-02-10 17:28:02(GMT-8:00)"
- type = "Web Site Password Changed"
- description = "10.1.35.20"

Listing 52 getWebAuthEvents Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 740

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getWebAuthEvents>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">367567165</userId>
      <startDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</startDate>
      <endDate xsi:type="xsd:dateTime">2006-02-
10T00:00:00.000Z</endDate>
    </impl:getWebAuthEvents>
  </soap:Body>
</soap:Envelope>
```

Listing 53 getWebAuthEvents Response

```
HTTP 200
Date: Sat, 11 Feb 2006 01:28:09 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=6h6QnuOB8S8MRnUw; path=/
Keep-Alive: timeout=15, max=46
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getWebAuthEventsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <webauthevents soapenc:arrayType="ns1:AuthEvent[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <webauthevents href="#id0" />
      </webauthevents>
    </ns1:getWebAuthEventsResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:AuthEvent"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <time xsi:type="xsd:string">2006-02-10 17:28:02 (GMT-8:00)</time>
      <type xsi:type="xsd:string">Web Site Password Changed</type>
      <description xsi:type="xsd:string">10.1.35.20</description>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>
```

logoff

Now that we're all done, we can logoff. We specify the connection Id "168545:FB7FD2C007B8294"

Listing 54 logoff Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 513

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:logoff>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      </impl:logoff>
    </soap:Body>
  </soap:Envelope>
```

Listing 55 logoff Response

```
HTTP 200
Date: Sat, 11 Feb 2006 01:31:35 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=zTMpyH2dJ4-fdaVw; path=/
Keep-Alive: timeout=15, max=82
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:logoffResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```