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Summary

Certain partners will wish to manage user registration via calls into the Glance server. This option is accomplished by making HTTPS calls to the Glance website. These calls are designed to be made either by some program on the partner server, or via requests made from the user's browser from links or forms on pages served by the partner's website. You must not use HTTP calls; only HTTPS calls are allowed.

At some point in the future, these functions may provide an option to redirect to pages within the Glance website user registration process to collect any unsupplied information. This will allow partner sites to allocate a user ID and supply user name information, but have the Glance website provide other portions of the UI.

The API calls are:

- NewUser
- UpdateUser
- DeleteUser
- ShowUsers
- ShowRoles

Parameters are passed via HTTP query string values or POST parameters.

Creating a New User

<https://www.glance.net/PAPI/NewUser.asp>

Parameters

Authentication	PartnerLogin PartnerPW PartnerAuth		required either PW or Auth required
User	PartnerUserID UserAddress UserPW UserFirst UserLast UserEMail UserRole AudioProvider OKURL FailURL	up to 255 character up to 127 characters up to 49 characters up to 49 characters up to 49 characters up to 127 characters up to 31 characters integer up to 255 characters up to 255 characters	required required optional optional optional optional optional optional optional optional

Definitions

PartnerLogin	<p>Glance user name of a partner admin. This login is assigned by Glance. It is an error (see response handling below) if an unknown or inactive partner name is supplied.</p> <p><i>[*** With the UI option, this could return a redirect to the first page of the Glance registration]</i></p>
PartnerPW	<p>The partner admin password. If this request is sent over HTTPS this should be adequately secure. Either PartnerPW or PartnerAuth is required.</p>
PartnerAuth	<p>An alternate authentication using a time-limited HMAC_SHA256 LoginKey for the PartnerLogin account. See the LoginKey document for information on generating this parameter.</p>
PartnerUserID	<p>The partner's unique ID for this user.</p>
UserAddress	<p>The entire Glance Address (e.g., user.glance.net or xyz.partner.com). It is an error if the UserAddress is not supplied (see below).</p> <p><i>[*** UI: would return a web page starting the user interface to request the address from the user.]</i></p>
UserPW	<p>The user's password. A password is optional if users will not log into the Glance client or website, but instead will be authenticated with the Login Key (Single-Sign-On) mechanism. If provided, a user password must be at least eight characters long.</p> <p><i>[*** UI: would redirect to a page requesting password]</i></p>
UserFirst and UserLast	<p>Are the first (given name) and last (surname) names of the user.</p>
UserEmail	<p>The user's email address.</p>
UserRole	<p>The subscriber role to assign to the user. This field is optional. If it is omitted, or blank, or has the value "-none" the user is not assigned to a role. If a UserRole is provided, that role must be provisioned.</p>

AudioProvider

If AudioProvider is supplied, an audio conferencing account may be provisioned. Current values are:

666 Fake account for testing.
1 Glance Free Conferencing

The audio account information is returned in the XML response as follows:

```
<?xml version="1.0" standalone="yes"?>
<response>
  <status>OK</status>
  <dialIn>1 (605) 715-4970</dialIn>
  <hostCode>*1391096</hostCode>
  <guestCode>1391096</guestCode>
</response>
```

OKURL

If an **OKURL** is specified, the audio account information will be appended as three query string parameters (dialIn, hostCode and guestCode).

If audio provisioning fails an error is not returned, the account information will not be returned.

Updating an Existing User

<https://www.glance.net/PAPI/UpdateUser.asp>

Parameters

Authentication	PartnerLogin		required
	PartnerPW		one of PW or
	PartnerAuth		Auth required
User	PartnerUserID	up to 255 characters	required
	UserActive	1 0 yes no true false	required
	UserAddress	up to 127 characters	optional
	UserPW	up to 49 characters	optional
	UserFirst	up to 49 characters	optional
	UserLast	up to 49 characters	optional
	UserEMail	up to 127 characters	optional
	UserRole	up to 31 characters	optional
	OKURL	up to 255 characters	optional
FailURL	up to 255 characters	optional	

Authorization the same as for creating a new user.

This updates the user's record using any of the supplied fields. The user's record is not changed for fields not supplied. This can also be used to temporarily deactivate or reactivate the user.

If **UserRole** is not specified or left blank, the user's role is left unchanged. If **UserRole** has the special value "-none-" the user's record is changed so the user is assigned no role.

Deleting an Existing User

<https://www.glance.net/PAPI/DeleteUser.asp>

Parameters

Authentication	PartnerLogin		required
	PartnerPW		one of PW or
	PartnerAuth		Auth required
User	PartnerUserID	up to 255 characters	required
	OKURL	up to 255 characters	optional
	FailURL	up to 255 characters	optional

Response Handling

Each call returns a response in the case of either success or failure. If the call succeeds and a value is supplied for OKURL, then an HTTP redirect will be returned to the OKURL. If the call fails and FailURL is supplied, then an HTTP redirect will be returned to FailURL.

In either case, if an URL is not supplied, then a XML response document will be returned.

In the case of success, this document will be:

```
<?xml version="1.0" standalone="yes"?>
  <response>
    <status>OK</status>
  </response>
```

In the case of failure, this document will be:

```
<?xml version="1.0" standalone="yes"?>
  <response>
    <status>FAIL</status>
    <errcode>nnn</errcode>
    <msg>msg</msg>
    <field>field</field>
  </response>
```

See the NewUser section for audio provisioning results.

Showing Users

<https://www.glance.net/PAPI/ShowUsers.asp>

Parameters

Authentication	PartnerLogin PartnerPW PartnerAuth		required one of PW or Auth required
User	PartnerUserID UserAddress UserRole PageCount PageStart	up to 255 characters up to 127 characters up to 255 characters integer (1-1000) up to 15 characters	optional optional optional required optional (See <i>Response Pagination</i> below)

How to Make Requests to Show Users

Use the User Parameters to give the criteria for the user or users you want to show.

To retrieve information about a single user, specify either the PartnerUserID or the UserAddress.

To retrieve information about multiple users, you have several choices.

- Omit PartnerUserID, UserAddress, and UserRole. This will retrieve all users in your group.
- Specify just UserRole. This will retrieve all users in the named role in your group.
- Specify part of a PartnerUserID. For example, suppose your group's PartnerUserIDs have values like "Support1234", "Support1235", "Sales5678", and "Sales5679".
 - Example 1: You may give the value "Sales*" to retrieve all users with PartnerUserIDs starting with Sales.
 - Example 2: You may give the value "*34" to retrieve all users with PartnerUserIDs ending in "34."
- Likewise, select part of the UserAddress. An example might be "*ri.example.glance.net" to retrieve users with addresses like "adam.ri.example.glance.net" and "betty.ri.example.glance.net".

If you wish to retrieve information about users with any PartnerUserID or UserRole value, omit the parameter. For users with a particular value, specify it. If you wish to find users with no assigned Role or a missing PartnerUID, specify the special value "-none-".

ShowUsers returns the intersection of all the criteria you give. For example, if you specify both PartnerUserID and UserAddress, ShowUsers will only return information about a user if you have both

parameters right.

Response Handling

Each ShowUsers call returns an XML response document.

Calls can fail for a number of reasons. If a call fails the document is:

```
<?xml version="1.0" standalone="yes"?>
<response>
  <status>FAIL</status>
  <errcode>nnn</errcode>
  <msg>msg</msg>
  <field>field</field>
</response>
```

Failure can occur if authentication fails, or if one or more parameters are incorrect. Failure also occurs if no users matching your criteria are found.

If the call succeeds the document contains the requested information. It looks something like this example.

```
<?xml version="1.0" standalone="yes"?>
<response>
  <status>OK</status>
  <users>
    <user>
      <partneruserid>Support1234</partneruserid>
      <useraddress>1234.support.example.net</useraddress>
      <userrole>Customer Success</userrole>
      <role>Subscriber</role>
      <userfirst>Adam</userlast>
      <userlast>Benson</userlast>
      <useremail>abenson@example.com</useremail>
      <userphone>212-555-1211</userphone>
      <subscription>>true</subscription>
      <suspended>>false</suspended>
    </user>
    <user>
      <partneruserid>Support1235</partneruserid>
      <useraddress>1235.support.example.net</useraddress>
      <userrole>Customer Success</userrole>
      <role>Administrator/Billing</role>
      <userfirst>Betty</userlast>
      <userlast>Anderson</userlast>
      <useremail>eanderson@example.com</useremail>
      <userphone>212-555-1211</userphone>
      <subscription>>true</subscription>
      <suspended>>false</suspended>
    </user>
  </users>
  <pagestart>12345678</pagestart>
</response>
```

This document contains all users matching your criteria. Each user can be found in their own <user>

stanza in the XML document under response.users. If a particular value is missing for a particular user, the corresponding XML element is also empty. For example, if Glance has no email address on file for a user, that element looks like this: "<useremail></useremail>".

ShowUsers presents its results in an unpredictable order. Avoid relying on the ordering of results.

Response Pagination

Because ShowUsers can potentially return a large number of results, you may need to call it multiple times. You must control the maximum number of results returned by each call by giving the PageCount parameter.

In your first call, you omit the PageStart parameter (or set it to a zero-length string). In subsequent calls, you take the <pagestart>12345678</pagestart> value returned by the immediately preceding call and use it to set the PageStart parameter. If the <pagestart></pagestart> value returned from a call is empty it means there are no more results to retrieve.

Sample Code

This is pseudocode to retrieve multiple pages of results, with 50 results in each page:

```
Call ShowUsers with PageCount=100 and a blank PageStart value
Handle each <user> in the set of <users>
While <pagestart></pagestart> is not empty {
  Call ShowUsers with Pagecount=50 and Pagestart set from
  <pagestart></pagestart>
  Handle each <user> in the set of <users>
}
```

This is a PERL program to read multiple users from ShowUsers and write them out in csv form.

```
#!/usr/bin/perl
# sample to use /PAPI/ShowUsers.asp
# confidential and proprietary information of Glance Networks, Inc.
use strict;
use warnings;
use HTTP::Request::Common qw(POST);
use LWP::UserAgent;
use XML::Twig;
use Text::CSV;
use String::Util qw(trim);

my $firstline = 1;
my $csv = Text::CSV->new({ eol => $/ });
my $out = *STDOUT;
my $url = 'https://local.myglance.org/PAPI/ShowUsers.asp';
my %params = ( PartnerLogin => 'Somebody.glance.net', # authentication
               PartnerPW => 'REDACTED',
               PageCount => 1000, # pagination
               PageStart => '',
               PartnerUserID => '', # items to match if nonblank
               UserAddress => '',
               UserRole => ''
             );
```



```

my $pagestart = '';
my $doc = '';

# read each page of PageCount <user> items.
do {
    my $ua = new LWP::UserAgent;
    $params{"PageStart"} = $pagestart;
    my $req = POST $url, [%params] ;

    my $twig= new XML::Twig
        (
            twig_handlers => {
                '/response/status' => \&status,      # handler to check status
                '/response/pagestart' => \&pagestart, # handler to update $pagestart
                '/response/users/user' => \&user      # handler to write to csv
            });
    my $res = $ua->request($req);
    if ($res->is_success) {
        $doc = $res->decoded_content;
        $twig->parse($doc);
    }
} while (length($pagestart) > 0); # continue until <pagestart/> comes back empty

# handler to check status of request
sub status {
    my( $twig, $item)= @_;
    my $status = $item->text;
    unless ($status eq "OK") {
        print STDERR $doc;
        exit (1);
    }
}

# handler to update $pagestart
sub pagestart {
    my( $twig, $item)= @_;
    $pagestart = $item->text;
}

# handler to write each <user> to csv
sub user {
    my( $twig, $item)= @_;
    my @names;
    my @values;
    my $field = $item->first_child;
    while ($field) {
        if ($firstline) {
            push @names, $field->tag;
        }
        push @values, trim($field->text);
        $field = $field->next_sibling;
    }
    if ($firstline) {
        $csv->print($out, \@names);
        $firstline = 0;
    }
    $csv->print($out, \@values);
    $twig->purge();
}

```

Showing Roles

<https://www.glance.net/PAPI/ShowRoles.asp>

Parameters

Authentication	PartnerLogin PartnerPW PartnerAuth	required one of PW or Auth required
-----------------------	--	---

Response Handling

Each ShowRoles call returns an XML response document.

Calls can fail for a number of reasons. If a call fails the document is:

```
<?xml version="1.0" standalone="yes"?>
<response>
  <status>FAIL</status>
  <errcode>nnn</errcode>
  <msg>msg</msg>
  <field>field</field>
</response>
```

Failure can occur if authentication fails.

If the call succeeds the document contains the requested information. It looks something like this example. Each role is represented by a <role/> item. The <name/> of the role is shown along with counts of <activeusers/> assigned to that role, <inactiveusers/> and total <users/>. Inactive users are users formerly associated with the partner group, but have been deprovisioned.

When users have no role assigned, they are included in the <role/> item with the <name/> of '-none-'.

```
<?xml version="1.0" standalone="yes"?>
<response>
  <status>OK</status>
  <roles>
    <role>
      <name>-none-</name>
      <activeusers>145</activeusers>
      <inactiveusers>17</inactiveusers>
      <users>162</users>
    </role>
    <role>
      <name>Role 2</name>
      <activeusers>1</activeusers>
      <inactiveusers>0</inactiveusers>
      <users>1</users>
    </role>
    <role>
      <name>Role-3</name>
      <activeusers>0</activeusers>
      <inactiveusers>1</inactiveusers>
      <users>1</users>
    </role>
    <role>
      <name>Role1</name>
      <activeusers>1</activeusers>
      <inactiveusers>2</inactiveusers>
      <users>3</users>
    </role>
  </roles>
</response>
```

Change History

Oct 17, 2002	EFH	Changed UserActive from optional to required in UpdateUser
Oct 18, 2002	EFH	Document PartnerUserID. UserPW or UserPWHash required
Jun 15, 2010	EFH	Updated to https
Sep 9, 2010	EFH	Audio provisioning
Apr 3, 2012	EFH	Remove obsolete authorization schemes
Sep 2, 2014	EFH	Increased field sizes, add new LoginKey authentication
Feb 6, 2015	EFH	UserPW is now optional
Mar 22, 2018	OJ	Add UserRole
Apr 3, 2018	OJ	Add ShowUsers and sample PERL program.
July 2, 2018	OJ	Add ShowRoles

2015 document: [PartnerAPI](#).