



Import Users / Groups Developers Guide

Rev 1.5.0

18th October 2006

Introduction

The "Import Users / Groups" module allows your user and group details to be imported from your internal systems into IntraNomic.

An interface can be developed (by your IT Department or StyleTech) which creates a "Users / Groups Import File" containing all of your user and group information.

The following actions can be contained within the "Users / Groups Import File":

1. Add a user
2. Update a user
3. Delete a user
4. Delete a user with an automatic replacement
5. Add a group
6. Update a group
7. Delete a group
8. Delete a group with an automatic replacement

The following information can be set when adding or updating a "User":

1. Domain
2. User name
3. First name
4. Last name
5. Alias name
6. All profile information
7. Sound confirmation
8. Check Profile prompt
9. Show IntraNomic Messenger messages
10. Lock / unlock a user
11. List of groups that this user belongs to

The following information can be set when adding or updating a "Group":

1. Group name
2. List of users within this group

Users / Groups XML Structure

The "Users / Groups Import File" is an XML file. The "Users / Groups Import File" has the following XML Structure:

```

<UsersGroups Date.Created="" >
  <User Domain="" User.Name="" Alias.Name="" Action="">
    <Domain></Domain>
    <User.Name></User.Name>
    <First.Name></First.Name>
    <Last.Name></Last.Name>
    <Alias.Name></Alias.Name>
    <Lock></Lock>
    <Sound></Sound>
    <Check.Profile></Check.Profile>
    <Show.IM></Show.IM>
    <Column.01></Column.01>
    <Column.02></Column.02>
    <Column.03></Column.03>
    <Column.04></Column.04>
    <Column.05></Column.05>
    <Column.06></Column.06>
    <Column.07></Column.07>
    <Column.08></Column.08>
    <Column.09></Column.09>
    <Column.10></Column.10>
    <Column.11></Column.11>
    <Column.12></Column.12>
    <Column.13></Column.13>
    <Column.14></Column.14>
    <Column.15></Column.15>
    <Column.16></Column.16>
    <Column.17></Column.17>
    <Column.18></Column.18>
    <Column.19></Column.19>
    <Column.20></Column.20>
    <Group></Group>
    <Replacement Domain="" User.Name="" Alias.Name="" />
  </User>
  <Group Name="" Action="">
    <Name></Name>
    <User Domain="" User.Name="" Alias.Name="" />
    <Replacement Name="" />
  </Group>
</UsersGroups>

```

Note: The contents of the XML are validated for "Invalid IntraNomic Characters". Any characters that are invalid to IntraNomic are removed.

The remainder of this document describes each of the elements / attributes within the XML Structure and provides examples of their use.

Users / Groups XML Structure continued.

<UsersGroups>

The <UsersGroups> element is a "Root" element and it contains one attribute called "Date.Created". This attribute is optional and can contain any text that helps you refer back to the XML file:

```
<UsersGroups Date.Created="13th June 2006 2:50pm">
```

<User>

The <User> element has a parent element of <UsersGroups> and it contains the following optional attributes:

Domain
User.Name
Alias.Name
Action

To locate a user for "Update" or "Delete", the "Domain", "User.Name" or "Alias.Name" attributes should be used (the "Domain" and "User.Name" attributes should be used together):

```
<User Domain="domain" User.Name="username">  
<User Alias.Name="aliasname">
```

Note: If the user cannot be located, the user will be added.

The "Action" attribute is used to delete a user. If the "Action" attribute exists, it can only contain a value of "Delete":

```
<User Domain="domain" User.Name="username" Action="Delete">  
<User Alias.Name="aliasname" Action="Delete">
```

<Domain>

The <Domain> element contains the Windows Domain that the user logs into.

This element has a parent element of <User> and is required when "Adding" a user but optional when "Updating" a user:

```
<Domain>domain</Domain>
```

<User.Name>

The <User.Name> element contains the Windows User Name that the user logs in with.

This element has a parent element of <User> and is required when "Adding" a user but optional when "Updating" a user:

```
<User . Name>username</User . Name>
```

<First.Name>

The <First.Name> element contains the first name of the user.

This element has a parent element of <User> and is required when "Adding" a user but optional when "Updating" a user:

```
<First.Name>firstname</First.Name>
```

<Last.Name>

The <Last.Name> element contains the last name of the user.

This element has a parent element of <User> and is required when "Adding" a user but optional when "Updating" a user:

```
<Last . Name>lastname</Last . Name>
```

<Alias.Name>

The <Alias.Name> element contains the alias name of the user (the alias name is how the user will be known within IntraNomic).

This element has a parent element of <User> and is optional when "Adding" or "Updating" a user:

```
<Alias.Name>aliasname</Alias.Name>
```

Note: If the <Alias.Name> element is missing when "Adding" a user, the alias name will be built as "Last.Name, First.Name".

<Lock>

The <Lock> element is used to "Lock" or "Unlock" a user.

This element has a parent element of <User> and is optional when "Adding" or "Updating" a user.

The following example "Locks" a user out of IntraNomic:

```
<Lock>On</Lock>
```

The following example "Unlocks" a user, allowing them back into IntraNomic:

```
<Lock>Off</Lock>
```

Note: If the user is already "Locked" or "Unlocked", the <Lock> element has no affect.

<Sound>

The <Sound> element sets if sounds should be played when a confirmation or warning message is shown.

This element has a parent element of <User> and is optional when "Adding" or "Updating" a user.

The following example switches **on** all sounds within IntraNomic:

```
<Sound>On</Sound>
```

The following example switches **off** all sounds within IntraNomic:

```
<Sound>Off</Sound>
```

<Check.Profile>

The <Check.Profile> element is used to set if the “Check Profile” screen is shown when the user next starts IntraNomic. The “Check Profile” screen allows the user to check the profile information and correct any information that is wrong.

This element has a parent element of <User> and is optional when "Adding" or "Updating" a user.

The following example switches the check profile option **on**, which means that the user will be shown the “Check Profile” screen the next time they start IntraNomic:

```
<Check.Profile>On</Check.Profile>
```

The following example switches the check profile option **off**:

```
<Check.Profile>Off</Check.Profile>
```

<Show.IM>

The <Show.IM> element determines if the "IntraNomic Messenger" module is automatically shown when a new message is received.

This element has a parent element of <User> and is optional when "Adding" or "Updating" a user.

The following example displays the "IntraNomic Messenger" module when a new message is received:

```
<Show . IM>On</ Show . IM>
```

The following example will **not** display the "IntraNomic Messenger" module when a new message is received:

```
<Show . IM>Off</ Show . IM>
```

<Column.01>...</Column.20>

The <Column.01> to <Column.20> elements contain the "Profile" information for the user.

These elements have a parent element of <User> and are optional when "Adding" or "Updating" a user.

When the IntraNomic Administrator defines the "Profile", they have a maximum of 20 headings. Each <Column.xx> element refers to a defined "Profile" heading.

The database table "tbl_user_profile_def" contains the mapping between the <Column.xx> element and the "Profile" heading e.g.:

Txt_01 = Telephone Extension
Txt_02 = Position
Txt_03 = Branch
Txt_04 = Email Address

For example:

```
<Column.01>ext. 4598</Column.01>  
<Column.02>Sales Manager</Column.02>  
<Column.03>Manchester</Column.03>  
<Column.04>name@company.com</Column.04>
```

<Group>

The <Group> element is used to define a group that the user belongs to. You can have one or more <Group> elements.

This element has a parent element of <User> and is optional when "Adding" or "Updating" a user.

If you do not specify one or more <Group> elements when "Adding" a user, the new user will be automatically allocated to the following IntraNomic groups:

- Everyone [system]
- IM Enabled [system]
- PCR Enabled [system]

Note: A new user is automatically added to the "Everyone [system]" group.

You should use the following names to specify the IntraNomic system groups:

- Everyone [system]
- IM Enabled [system]
- PCR Enabled [system]
- Administrators [system]
- IntraNomic Alerts [system]
- Support [system]
- Feedback [system]

If the specified group does not exist, it will be created.

The following example defines the groups that the user belongs to:

```
<Group>Everyone [system]</Group>
<Group>IM Enabled [system]</Group>
<Group>Human Resources </Group>
<Group>Managers</Group>
```

<Replacement>

The <Replacement> element is used when a user is deleted. The <Replacement> element contains the identity of a replacement user.

This element has a parent element of <User> and is ignored when "Adding" or "Updating" a user and optional when "Deleting" a user.

Note: You delete a user by setting the <User> element "Action" attribute to "Delete".

The <Replacement> element has the following attributes:

Domain
User.Name
Alias.Name

To identify the replacement user, the "Domain", "User.Name" or "Alias.Name" attributes should be used (the "Domain" and "User.Name" attributes should be used together):

```
<Replacement Domain="domain" User.Name="username" />  
<Replacement Alias.Name="aliasname" />
```

<Group>

The < Group > element has a parent element of <UsersGroups> and it contains the following optional attributes:

Name

Action

The "Name" attribute is used to locate a group for "Update" or "Delete":

```
<Group Name="groupname" >
```

If the group cannot be located, the group will be added.

The "Action" attribute is used to delete a group. If the "Action" attribute exists, it can only contain a value of "Delete":

```
<Group Name="groupname" Action="Delete" >
```

<Name>

The <Name> element contains the group name.

This element has a parent element of <Group> and is required when "Adding" a group but optional when "Updating" a group:

```
<Name>groupname</Name>
```

You should use the following names to specify the IntraNomic system groups:

- Everyone [system]
- IM Enabled [system]
- PCR Enabled [system]
- Administrators [system]
- IntraNomic Alerts [system]
- Support [system]
- Feedback [system]

<User>

The <User> element is used to define a user that belongs to the group. You can have one or more <User> elements.

This element has a parent element of <Group> and is required when "Adding" a group but optional when "Updating" a group (e.g. you could just update the name of the group).

The <User> element has the following attributes:

Domain

User.Name

Alias.Name

To identify a user, the "Domain", "User.Name" or "Alias.Name" attributes should be used (the "Domain" and "User.Name" attributes should be used together):

```
<User Domain="domain" User.Name="username" />  
<User Alias.Name="aliasname" />
```

<Replacement>

The <Replacement> element is used when a group is deleted. The <Replacement> element contains the identity of a replacement group.

This element has a parent element of <Group> and is ignored when "Adding" or "Updating" a group and optional when "Deleting" a group.

Note: You delete a group by setting the <Group> element "Action" attribute to "Delete".

The <Replacement> element has a "Name" attribute, which should be used to identify the replacement group:

```
<Replacement Name="groupname" />
```

XML Example - Adding a User

The following example is the simplest XML required to "Add" a user:

```
<User>
  <Domain>Susan Domain</Domain>
  <User.Name>Susan Login</User.Name>
  <First.Name>Susan</First.Name>
  <Last.Name>Brown</Last.Name>
</User>
```

A more common example would be:

```
<User Domain="Susan Domain" User.Name="Susan Login">
  <Domain>Susan Domain</Domain>
  <User.Name>Susan Login</User.Name>
  <First.Name>Susan</First.Name>
  <Last.Name>Brown</Last.Name>
  <Alias.Name>Brown, Susan</Alias.Name>
  <Sound>On</Sound>
  <Check.Profile>On</Check.Profile>
  <Show.IM>On</Show.IM>
  <Column.01>ext 4578</Column.01>
  <Column.02>Sales Manager</Column.02>
  <Column.03>Manchester</Column.03>
  <Column.04>susan.brown@company.com</Column.04>
  <Group>Everyone [system]</Group>
  <Group>IM Enabled [system]</Group>
  <Group>PCR Enabled [system]</Group>
  <Group>Sales</Group>
  <Group>Managers</Group>
</User>
```

Note: It is recommended that you use the "Domain" and "User.Name" (or "Alias.Name") attributes of the <User> element when adding a user. Even though you don't have to use these attributes when adding a user, it makes the interface program easier to develop as the interface does not have to keep track of new / updated users.

XML Example - Updating a User

The following example "Updates" a user (profile and group):

```
<User Alias.Name="Brown, Susan">
  <Column.02>Sales Director</Column.02>
  <Check.Profile>On</Check.Profile>
  <Group>Everyone [system]</Group>
  <Group>IM Enabled [system]</Group>
  <Group>PCR Enabled [system]</Group>
  <Group>Sales</Group>
  <Group>Directors</Group>
</User>
```

If you create the XML to only contain the updated information it means a longer more complex interface development. If you create the interface to output all of the information each time it is execute, it will reduce the complexity and development time of the interface. Therefore the following XML should be more common for an "Update":

```
<User Domain="Susan Domain" User.Name="Susan Login">
  <Domain>Susan Domain</Domain>
  <User.Name>Susan Login</User.Name>
  <First.Name>Susan</First.Name>
  <Last.Name>Brown</Last.Name>
  <Alias.Name>Brown, Susan</Alias.Name>
  <Sound>On</Sound>
  <Check.Profile>On</Check.Profile>
  <Show.IM>On</Show.IM>
  <Column.01>ext 4578</Column.01>
  <Column.02>Sales Director</Column.02>
  <Column.03>Manchester</Column.03>
  <Column.04>susan.brown@company.com</Column.04>
  <Group>Everyone [system]</Group>
  <Group>IM Enabled [system]</Group>
  <Group>PCR Enabled [system]</Group>
  <Group>Sales</Group>
  <Group>Directors</Group>
</User>
```

The IntraNomic Import Report contains the updated information for each user e.g.:

- Column.02 was updated from Sales Manager To Sales Director
- Group "Managers" was removed
- Group "Directors" was added

XML Example - Updating a User continued.

Note: If the "Update" does not contain any <Group> elements, the groups that the user currently belongs to are unchanged.

Note: You cannot add or remove a user from an individual group. You must list all of the groups that the user belongs to.

XML Example - Deleting a User (No Replacement)

The following XML example deletes a user without specifying a replacement user:

```
<User Alias.Name="Brown, Susan" Action="Delete"></User>
```

Note: The Import Report will display a message, if the delete fails due to a replacement user being required. You can then either change the XML to include a replacement user, or manually delete the user via the "User / Group Maintenance" module.

Note: If the user is already deleted, the delete is ignored.

XML Example - Deleting a User (With a Replacement)

The following XML example deletes a user and specifies a replacement user:

```
<User Alias.Name="Brown, Susan" Action="Delete">  
  <Replacement Domain="Fred Domain" User.Name="Fred Login" />  
</User>
```

Note: The replacement user will only be used if required.

Note: If the user is already deleted, the delete is ignored.

XML Example - Adding a Group

The following XML example "Adds" a group:

```
<Group Name="Directors">
  <Name>Directors</Name>
  <User Alias.Name="Brown, Susan" />
  <User Alias.Name="Jones, Fred" />
  <User Alias.Name="Smith, Darren" />
  <User Alias.Name="White, Richard" />
</Group>
```

Note: It is recommended that you use the "Name" attribute of the <Group> element when adding a group. Even though you don't have to use this attribute when adding a group, it makes the interface program easier to develop as the interface does not have to keep track of new / updated groups.

XML Example - Updating a Group

The following XML example "Updates" a group:

```
<Group Name="Directors">
  <Name>Directors</Name>
  <User Alias.Name="Brown, Susan" />
  <User Alias.Name="Jones, Fred" />
  <User Alias.Name="White, Richard" />
  <User Alias.Name="Wilson, Jane" />
  <User Alias.Name="Beck, Tom" />
</Group>
```

The IntraNomic Import Report contains the updated information for each group e.g.:

User "Smith, Darren" was removed

User "Wilson, Jane" was added

User "Beck, Tom" was added

Note: If the "Update" does not contain any <User> elements, the users that belong to the group are unchanged.

Note: You cannot update the "Everyone [system]" group.

XML Example - Deleting a Group (No Replacement)

The following XML example, deletes a group without specifying a replacement group:

```
<Group Name="Directors" Action="Delete"></Group>
```

Note: The Import Report will display a message, if the delete fails due to a replacement group being required. You can then either change the XML to include a replacement group, or manually delete the group via the "User / Group Maintenance" module.

Note: If the group is already deleted, the delete is ignored.

XML Example - Deleting a Group (With a Replacement)

The following XML example deletes a group and specifies a replacement group:

```
<Group Name="Directors" Action="Delete">  
  <Replacement Name="Process Owners" />  
</Group>
```

Note: The replacement group will only be used if required.

Note: If the group is already deleted, the delete is ignored.