

SCOPIA IBM Lotus Notes Add-on Deployment Guide

The SCOPIA IBM Lotus Notes Add-on is a separately deployed plug-in that can work in an iVIEW Suite deployment or a SCOPIA Desktop deployment without iVIEW Suite.

In an iVIEW Suite deployment, the SCOPIA IBM Lotus Notes Add-on allows users to schedule, modify, cancel, and manage iCM meetings using the IBM Lotus Notes interface.

In a SCOPIA Desktop deployment, the SCOPIA IBM Lotus Notes Add-on allows users to send out meeting invitations using the IBM Lotus Notes interface.

Prerequisite

The iCM IBM Lotus Notes Add-on requires the following:

- Lotus Domino Server
 - Supported versions: 7.0 and 8.0.
 - IBM Lotus Domino server must run DIIOP HTTP services
 - IBM Lotus Domino server must be configured as Web SSO server with Ltpa token.
 - Lotus Domino Administrator, Designer interface must be available.
- Each user should have a dedicated e-mail account for receiving meeting messages including meeting accept and decline messages.
- For iVIEW Deployment
 - A dedicated iVIEW Suite server which the SCOPIA IBM Lotus Notes add-on can connect to.
 - This iVIEW Suite server should be configured to work with IBM Domino Directory server.
 - In order to use the SCOPIA IBM Lotus Notes add-on, a user must have at least one virtual room assigned by the administrator.
- For SCOPIA Desktop Deployment
 - A dedicated SCOPIA Desktop server which the SCOPIA IBM Lotus Notes add-on can connect to.

What's included?

- [sSetup8.nsf](#) contains the agents used to install or upgrade iCM IBM Lotus Notes Add-on
- There are nine “.dxi” files which contain the code used to install iCM IBM Lotus Notes Add-on.

Installation

Follow the steps below to install SCOPIA IBM Lotus Notes add-in.

Procedure:

- Open Domino Designer interface to connect to the target Domino server and login using

LocalDomainAdmins account.

- Open setup.nsf locally.
- Select the 3 agents contained inside setup.nsf and sign them. They are:
 - IVConfig.nsf which contains the configuration screen of SCOPIA IBM Lotus Notes Add-on
 - [mail7mail8_IV.ntf](#) which is based on [mail7mail8.ntf](#) is the new template file that end user will use to schedule meetings using SCOPIA IBM Lotus Notes Add-on.
 - Import all Dxl to Current DB
- Create IVConfig.nsf remotely
 - Select IVConfig.nsf agent and select the “Run” option.
 - In the “DXL Import” window that opens, select IVConfig.dxl that is in the same directory as this document.
 - The agent completes the operation and IVConfig.nsf is created remotely.
- Create [mail7mail8_IV.ntf](#) remotely.
 - Select [mail7mail8_IV.ntf](#) agent and select the “Run” option.
 - In the “DXL Import” window that opens, select IVAgentLib.dxl that is in the same directory as this document.
 - The agent completes the operation and [mail7mail8_IV.ntf](#) is created remotely.
- Close Domino Designer interface.

- Open Domino Administrator interface and connect to the target Domino server.
- Under the File tab, select properties window of [mail7mail8_IV.ntf](#) template.
- In the Database properties popup window
 - Check “Database file is master template” field.
 - In the “Template Name” field, select [StdMail7StdMail8_IV](#).
 - Close the Database properties popup window.
- Save the settings and close Domino Administrator interface.

Database [v] [?] [X]

Design is not hidden

Options

Allow design locking

List in Database Catalog

Categories

Show in 'Open Database' dialog

Include in multi-database indexing

Do not mark modified documents as unread

Mark parent note on reply or forward

Inheritance

Inherit design from master template

Template name

Refresh design on admin server only

Database file is a master template

Template name [x]

List as advanced template in 'New Database' dialog

Copy profile documents with design

Single copy template

Multilingual Options

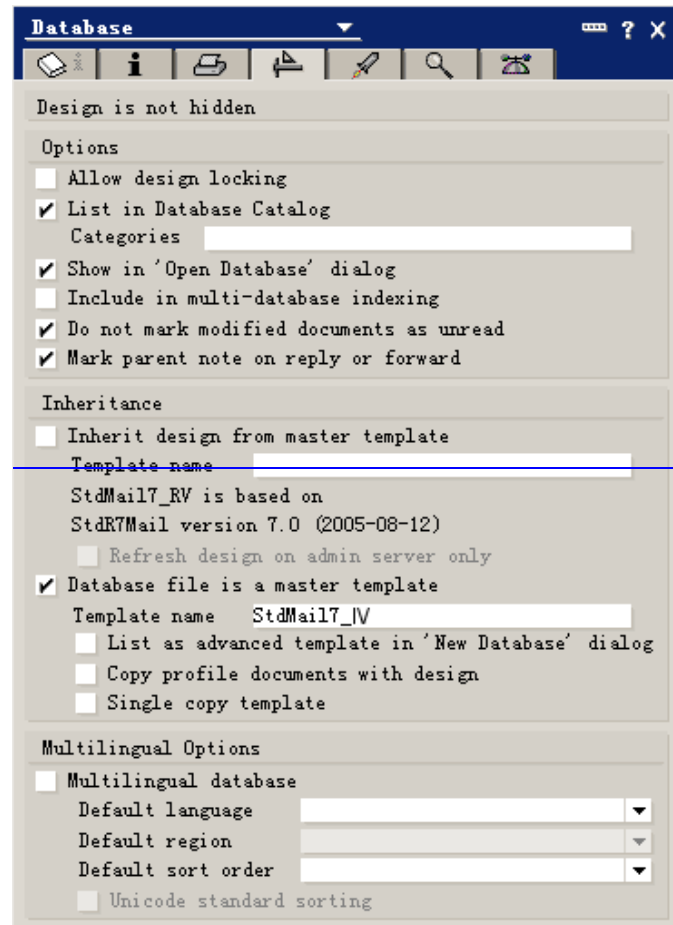
Multilingual database

Default language

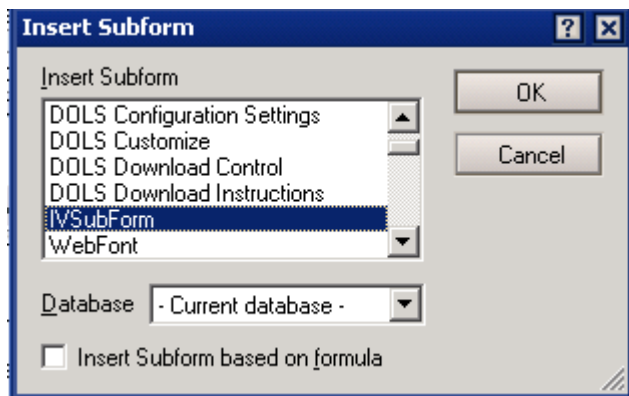
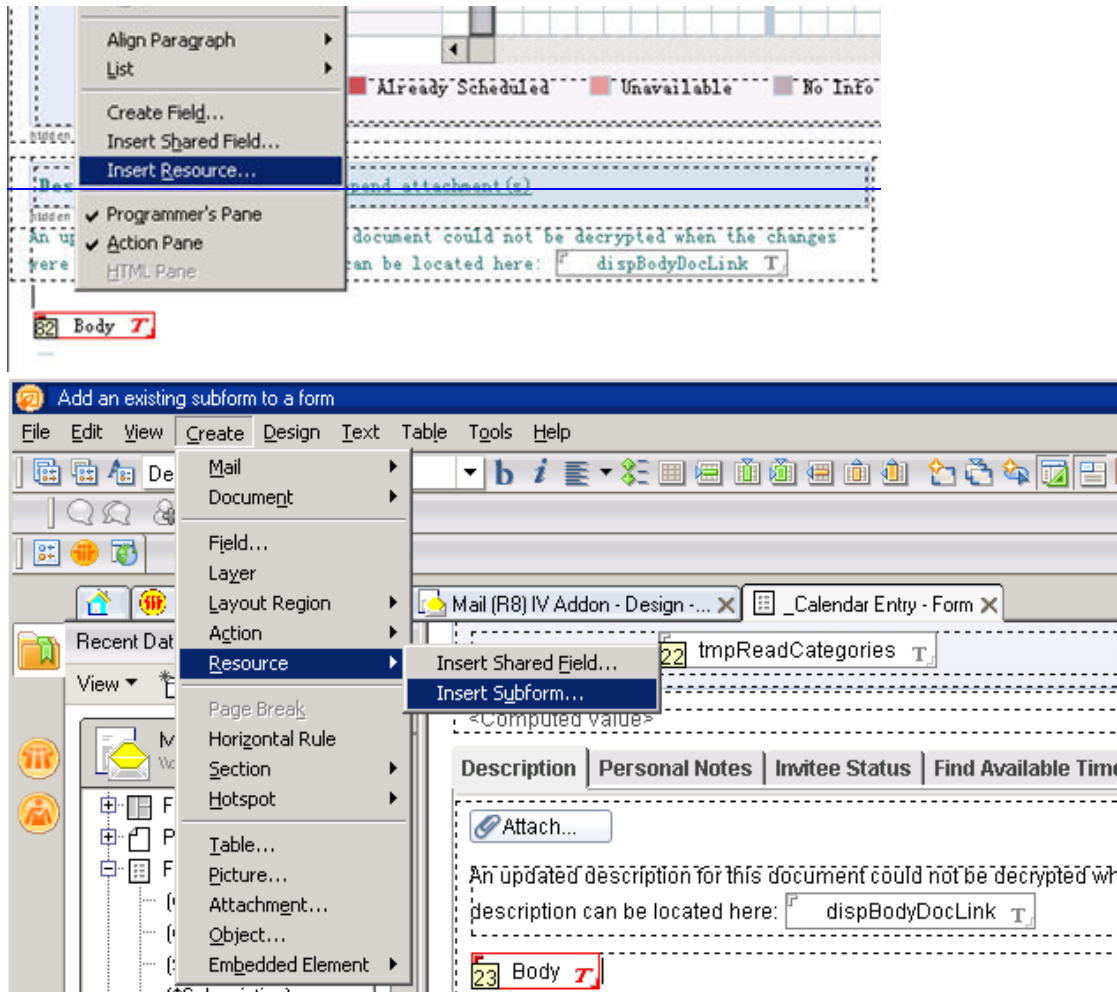
Default region

Default sort order

Unicode standard sorting

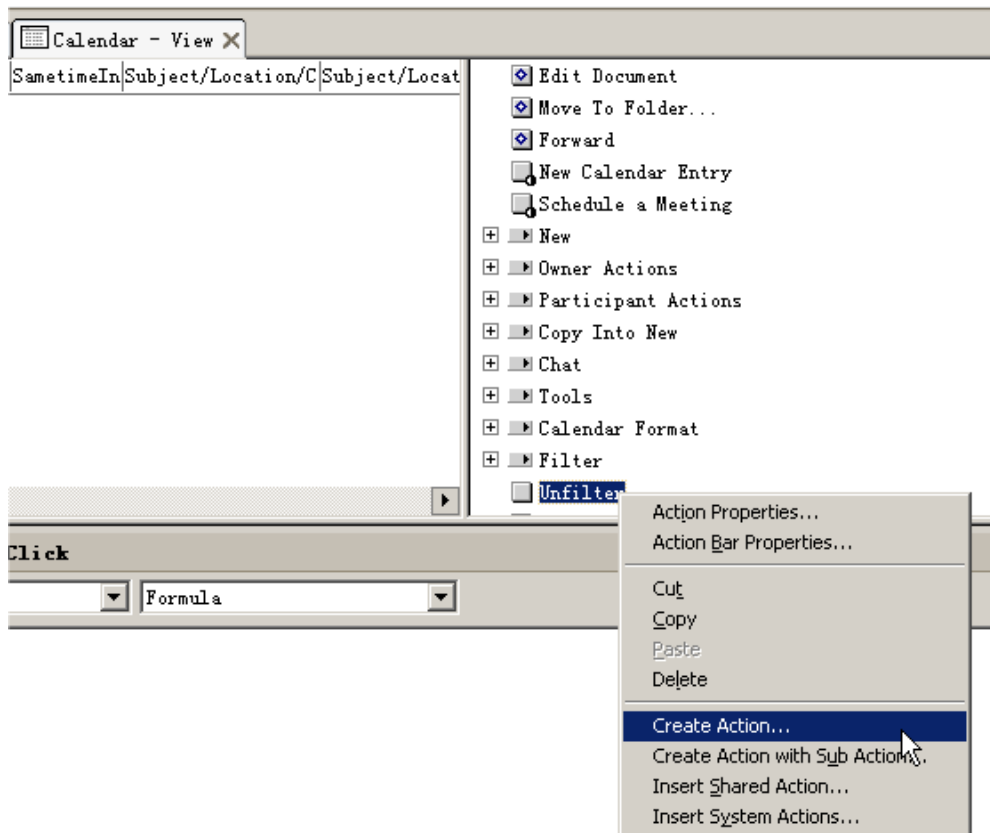


- Open Domino Designer interface to connect to the target Domino server and login using LocalDomainAdmins account.
- Go to “File > Database > Open” to open “Open Database” window.
 - In the “Server” select list, chose the remote Domino server that has SCOPIA IBM Lotus Notes add-on installed.
 - In the “Database” list that displays all the databases on that server, select “Mail (R78) IV Addon” database and open it.
- Insert code into _Calendar Entry Form
 - In “Mail (R87) IV Addon” database, go to “Top Menu > View > Go to > Forms” to display all the forms in this database.
 - Select “_Calender Entry” and double click to open “_Calendar Entry Form”.
 - Find the “Body” field and add a new line just above this field. [From menu “Create”->”Resource”Right-click to open the popup menu and select-> “Insert Resource-subform-...”](#)

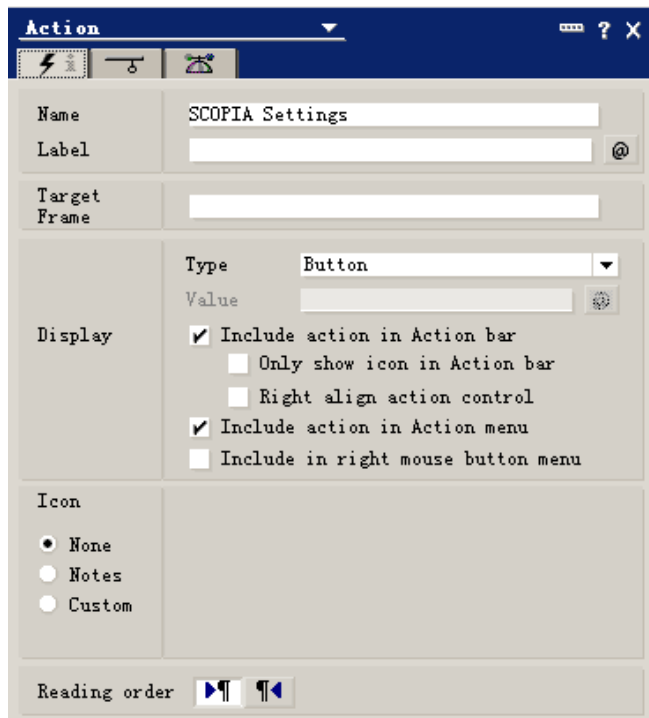


- In the “Insert **ResourceSubform**” popup window:
 - ◆ In the **Database** list, select “**Current database**”.
 - ◆ In the **Resource Type** list, select “**Subform**” option.
 - ◆ In **Available resources** list, select “**IVSubForm**” entry.
 - ◆ Click “**OK**” button to close the window.
 - ◆ You can see that subform is inserted just above “**Body**” field.
- Close the “_Calendar Entry Form” and save the changes.
- Insert code into (\$Calendar) View
 - In “Mail (R87) IV Addon” database, go to “Top Menu > View > Go to > Views” to display all the views in this database.
 - Select (\$Calendar) and double click to open it.

- Make sure “View > Action Pane” option is checked.
- In the “Action Pane” frame, find “Unfilter” entry. Open its popup menu and select “Create Action ...”



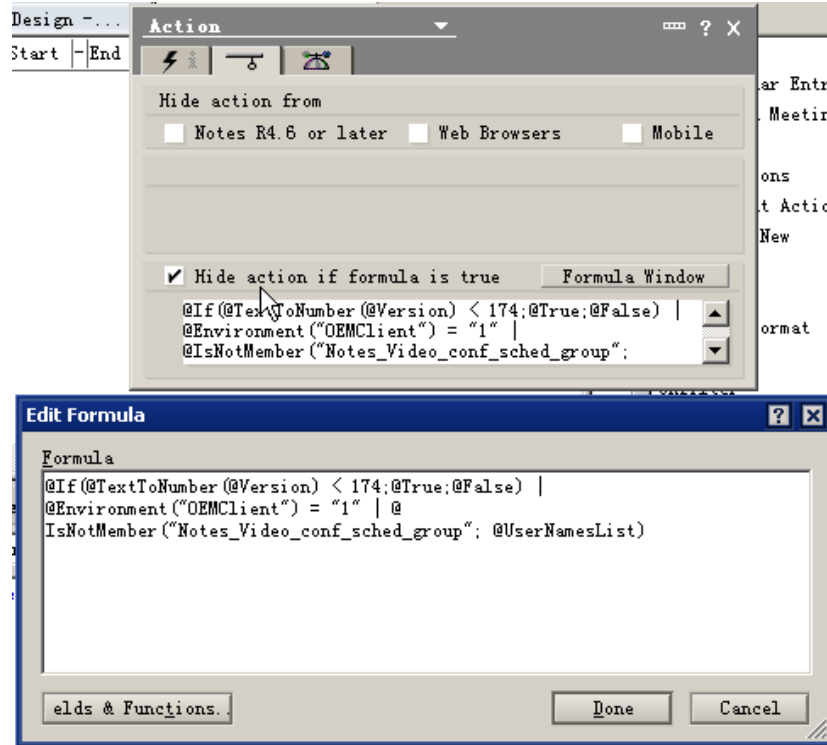
- In the “Action” popup window, enter “SCOPIA Settings” in the **Name** field.



- In the second tab of the “Action” window, select “Hide action if formula is true”
- Click “Formula Window” button to open “Edit Formula” window.

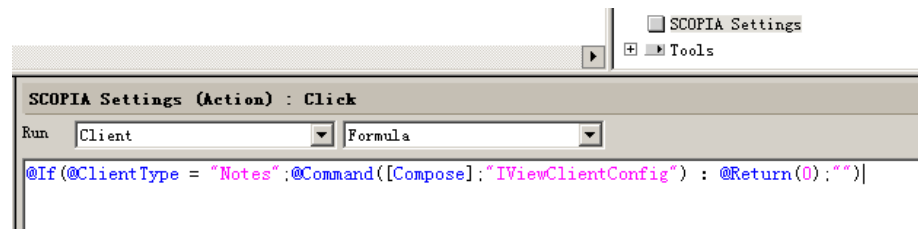
- Paste the following code in the “Edit Formula” window:

```
@If(@TextToNumber(@Version) < 174;@True;@False) | @Environment("OEMClient")
= "1" | @IsNotMember("Notes_Video_conf_sched_group"; @UserNamesList)
```



- Close the “Action” window.
- In the “(Action): Click” window, add the following code:

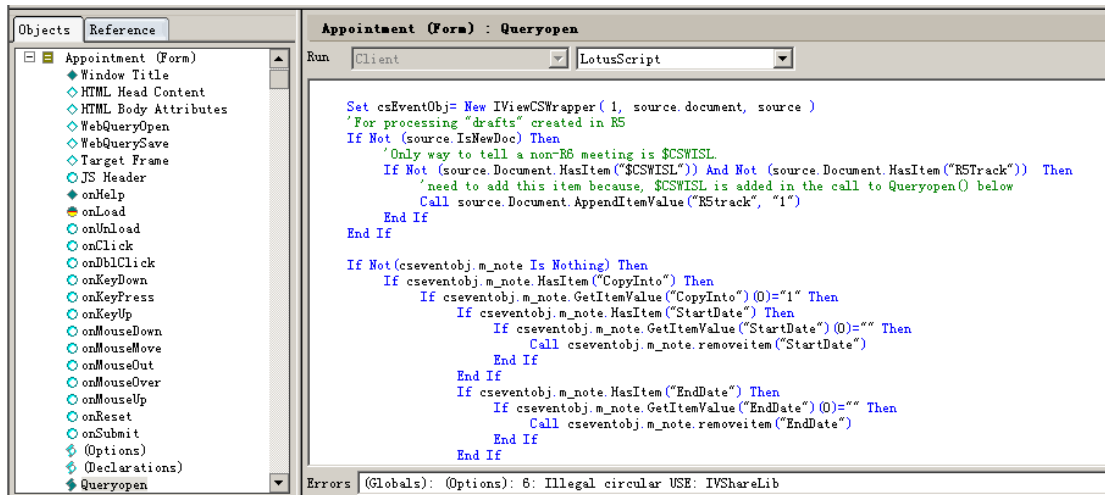
```
@If(@ClientType = "Notes";@Command([Compose];"IVClientConfig") : @Return(0);"")
```



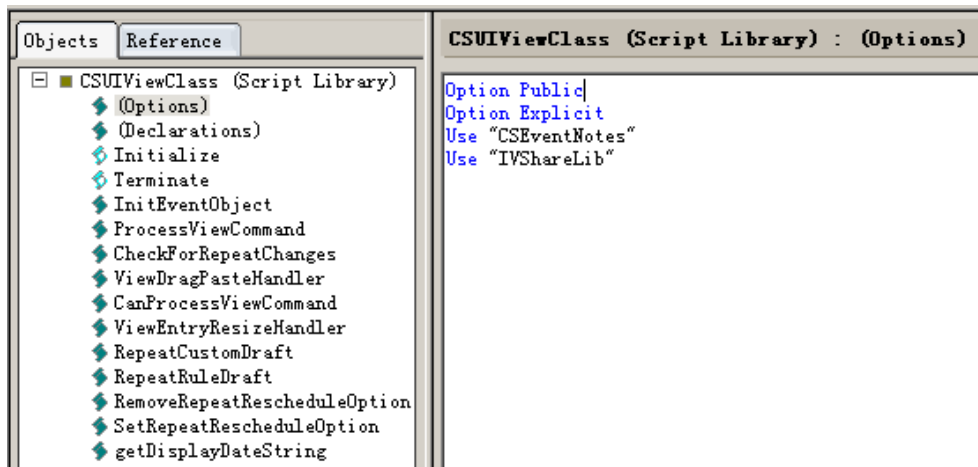
- Insert code into _Calendar Entry Form
 - In “Mail (R78) IV Addon” database, go to “Top Menu > View > Go to > Forms” to display all the forms in this database.
 - Select “_Calendar Entry” and double click to open “_Calendar Entry Form”.
 - Make sure “View > Programmer’s Pane” option is checked.
 - In the “Objects” tab, select “(Global) Appointment > (Options)” entry. Add the following line to the code:
Use "IVShareLib"



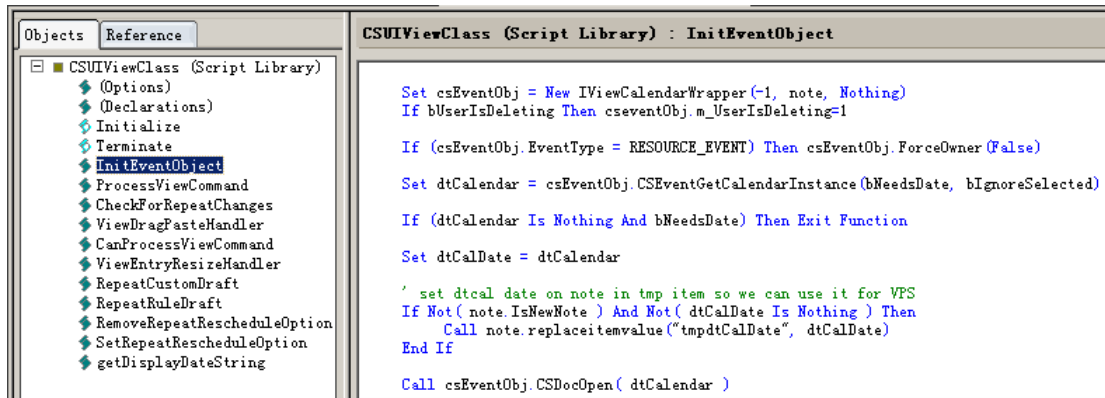
- In the “Object” tab, select “Appointment (Form) > Queryopen”. In the code, look for “CSCalendarEntry” and replace it with “IVCSWrapper”



- Save the form and close it.
- Insert Code into CSUIVClass Script Library
 - In “Mail (R87) IV Addon” database, go to “Top Menu > View > Go to > Script Libraries” to display all the forms in this database.
 - Select “CSUIVClass” and double click to open “CSUIVClass – Script Library”.
 - In “Objects” tab, select “CSUIVClass > (Options)”. Add the following code:
Use "IVShareLib"



- In “Objects” tab, select “CSUIVClass > InitEventObject”. In the code, look for “CSEventNotes” and replace it with “IVCalendarWrapper”.



- Save changes and close the script library.

Configuration

Use New Template

Create a user group called “Notes_Video_conf_sched_group”.

Any user that you assign to this group will be able to see the user interface of the SCOPIA IBM Lotus Notes Add-on.

Use Domino server console command to change mail file template for all affected users.

For example, assume user John’s mail file is John.nsf in mail directory, send the following command from the Domino Server Console to convert template of John.nsf to mail78.ntf

```
>> load convert mail\ John.nsf * mail87_IV.ntf (for Windows)
```

```
>> load convert mail/ John.nsf * mail87_IV.ntf (for Linux)
```

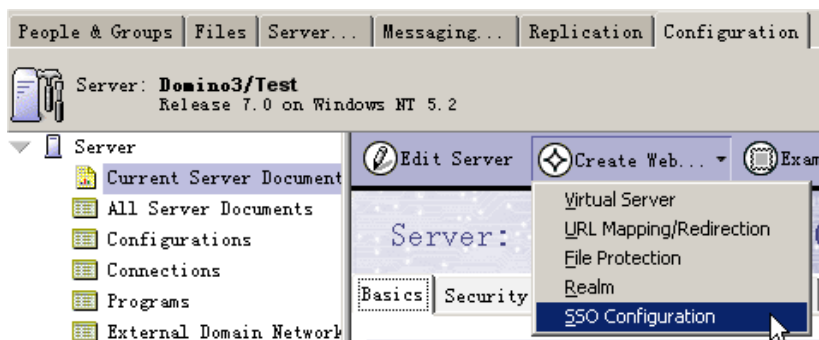
To change all the mail files in mail directory, send the following command:

```
>> load convert mail\*.nsf * mail78_IV.ntf (for Windows)
```

```
>> load convert mail/ *.nsf * mail78_IV.ntf (for Linux)
```

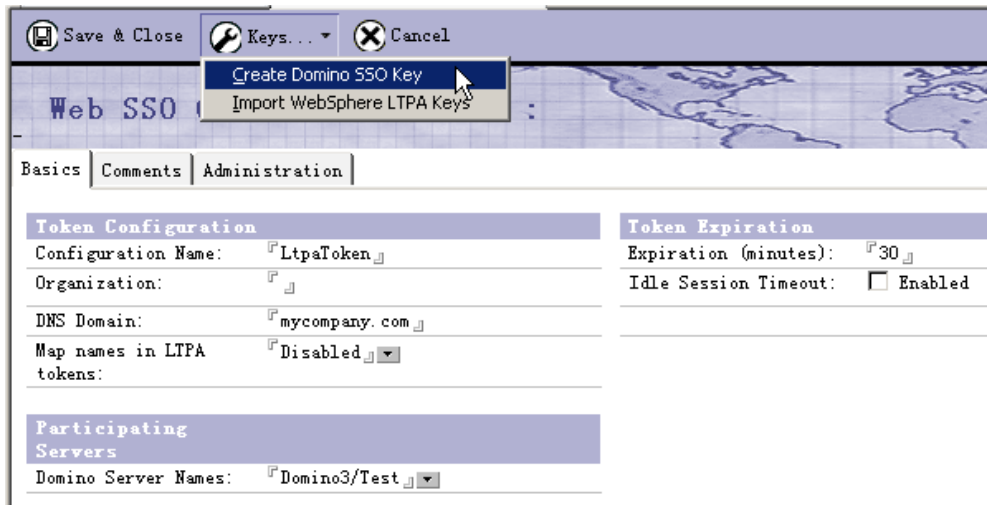
Domino Web SSO Configuration

- Open Domino Administrator interface to connect to the target Domino server.
- Open the “Configuration” tab and select “Server > Current Server Document”.
- Click ‘Create Web’ icon and select “SSO Configuration” option.

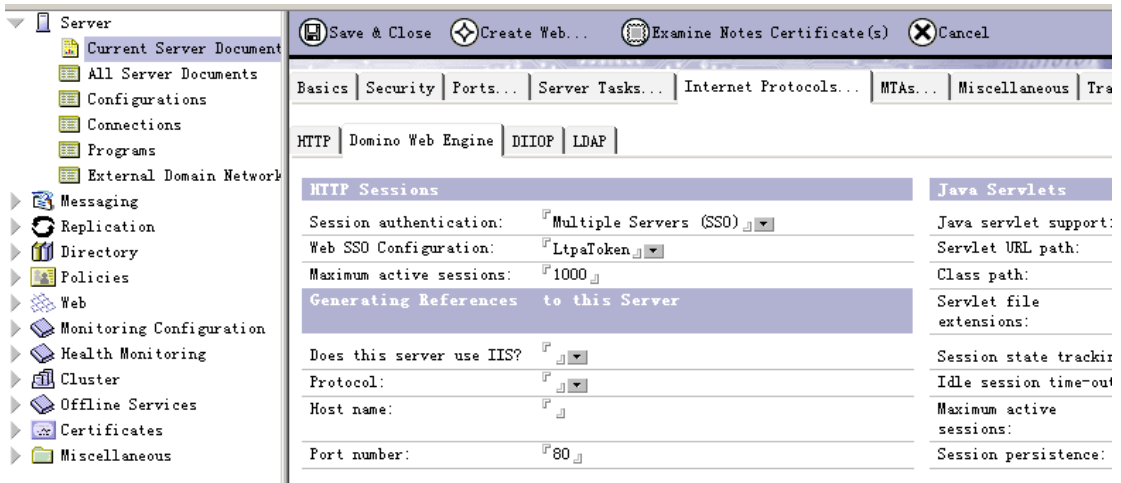


- In the “Web SSO Configuration” window
 - Enter the iVIEW Suite server DNS domain in the “DNS Domain” field such as “mycompany.com”.

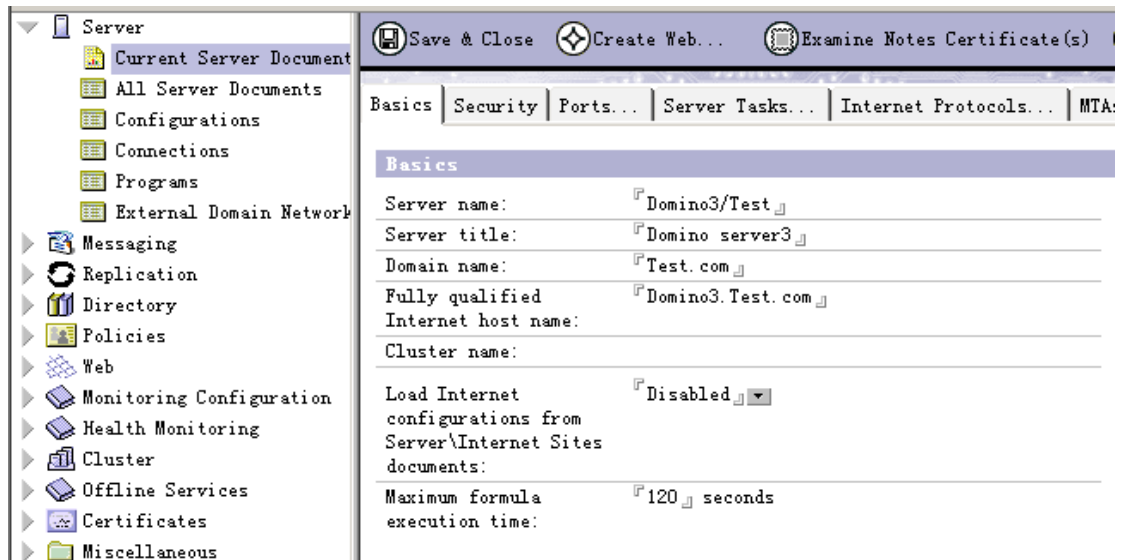
- Make sure the Domino server with SCOPIA IBM Lotus Notes Add-on installed is configured in “Domino Server Names” field such as “Domino3/Test”.
- Click on “Key ...” icon and select “Create Domino SSO Key” option to generate a new key.



- Save changes and close the “Web SSO Configuration” window.
- Under “Server > Current Server Document”
 - Select “Internet Protocols ... > Domino Web Engine” tab. Click the “Edit” icon to make change.
 - ◆ Set **Session authorization** field to “Multiple Servers (SSO)”.
 - ◆ Set **Web SSO Configuration** field to “LtpaToken”.



- Select “Basics” tab and make sure **Load Internet configurations from Server\Internet Sites documents** field is “Disabled”.



- Click “Save & Close” icon to save changes

Note: This Web SSO configuration is R5 compatible.

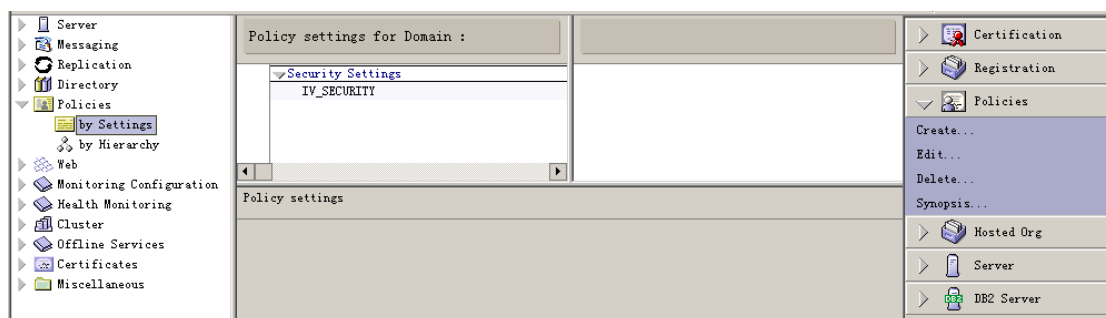
Assign ECL

You need to assign ECL to users so that they can execute the client side module of SCOPIA IBM Lotus Notes Add-on.

You should create a new policy which allows users run the SCOPIA IBM Lotus Notes Add-on, and then assign this policy to user group “Notes_Video_conf_sched_group”.

Procedure:

- Open Domino Administrator interface to connect to the target Domino server.
- Open the “Configuration” tab and select “Policies”. Click “Create” to create a new policy.



- Give the new policy a name such as “IV_POLICY” in “Basics” tab.
- In the “Security” field, click “New ...” button to create a new security settings.

Policy : /IV_POLICY

Basics | Comments | Administration

Basics

Policy name:

Policy type:

Description:

Setting Type	Setting Name	
Registration:	<input type="text"/>	<input type="button" value="New..."/>
Setup:	<input type="text"/>	<input type="button" value="New..."/>
Archiving:	<input type="text"/>	<input type="button" value="New..."/>
Desktop:	<input type="text"/>	<input type="button" value="New..."/>
Security:	<input type="text" value="IV_SECURITY"/>	<input type="button" value="New..."/>
Mail:	<input type="text"/>	<input type="button" value="New..."/>

- Give the new security setting a name such as “IV_SECURITY” in “Basics” tab.

Security Settings : IV_SECURITY

Basics | Password Management | Execution Control List | Keys and Certificates | Comments | Administration

Basics

Name:

Description:

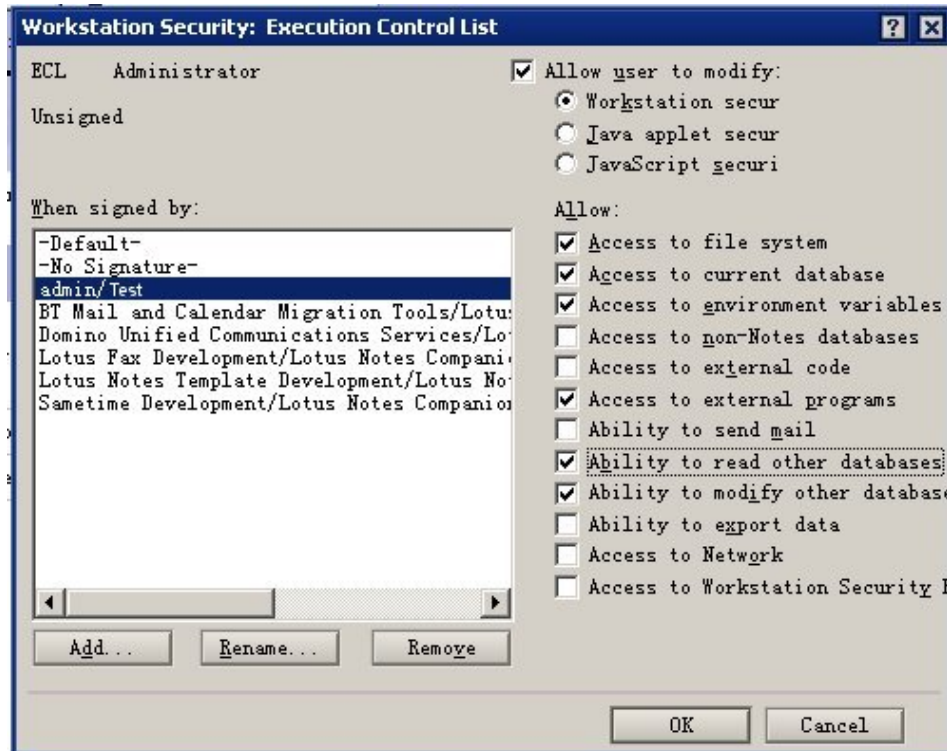
- In “Execution Control List” tab,
 - Set **Update Mode** to “Replace”.
 - Create a new “Admin ECL” such as “IV_ECL”.

Security Settings

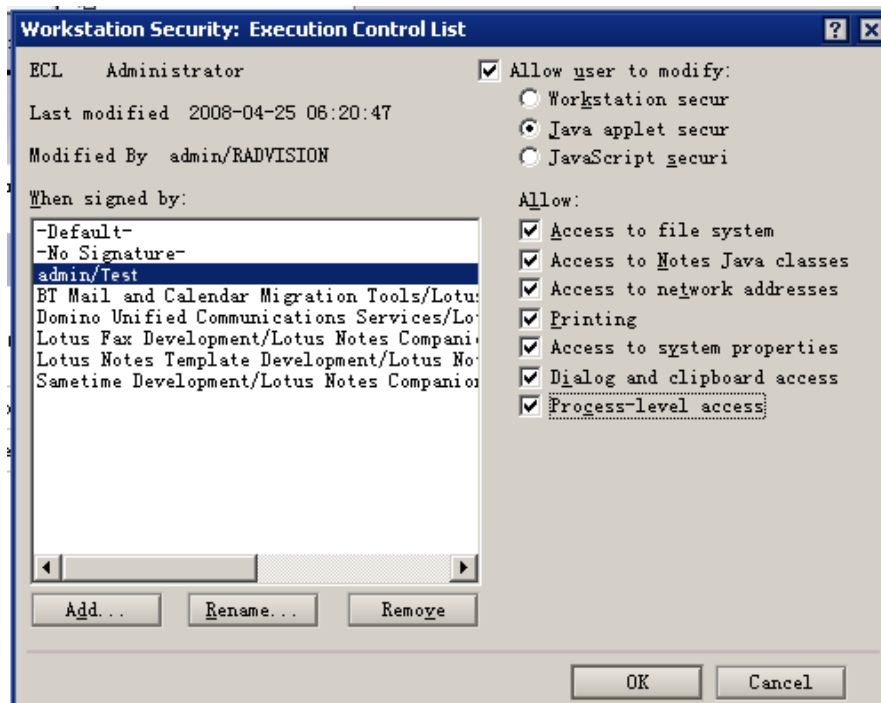
Basics | Password Management | Execution Control List | Keys and Certificates | Comments | Administration

ECL		Inherit from parent policy:	Enforce in child policies:
Admin ECL:	IV_ECL <input type="button" value="Edit"/> <input type="button" value="New"/>	<input type="checkbox"/> Inherit	<input type="checkbox"/> Enforce
Update Mode:	<input type="text" value="Replace"/>	<input type="checkbox"/> Inherit	<input type="checkbox"/> Enforce
Update Frequency:	<input type="text" value="When Admin ECL Changes"/>	<input type="checkbox"/> Inherit	<input type="checkbox"/> Enforce

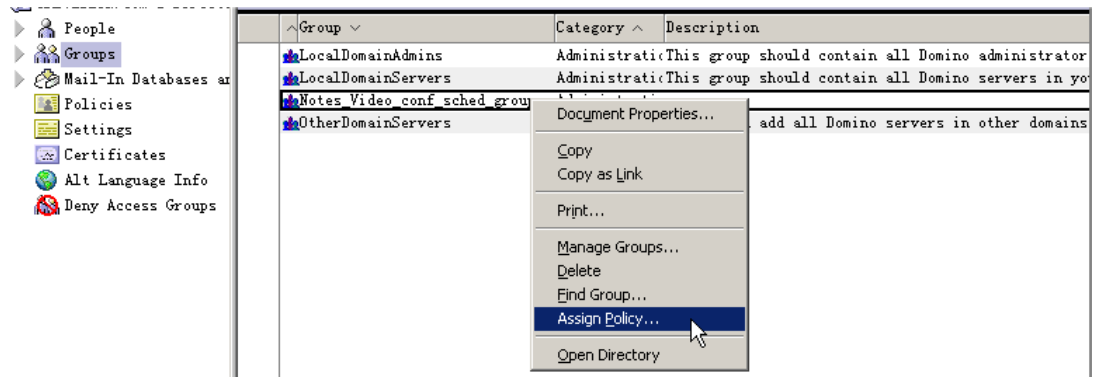
- In the Execution Control List popup window, define the “Workstation Security” for the domain admin user such as “admin/Test”. Check the access options according to the figure below.



- In the Execution Control List popup window, define the “Java applet Security” for the domain admin user such as “admin/Test”. Check the access options according to the figure below.



- Save change and close the policy window
- Go to “People & Groups” tab and select “Groups” entry.
- Select “Notes_Video_conf_sched_group” entry and choose “Assign Policy ...”



- In the “Assign Policy Options” window, select “IV_POLICY” for this user group.
- Click OK to close the window and save changes.

SCOPIA Administrator Settings

Please follow the steps below to make the server side configuration for SCOPIA IBM Lotus Notes add-on using SCOPIA Administrator Settings window.

Procedure

- Open Lotus Notes interface and go to “File > Database > Open” to open the “Open Database” window.
 - In the “Server” select list, chose the remote Domino server that has SCOPIA IBM Lotus Notes add-on installed.
 - In the “Database” list that displays all the databases on that server, select “ivconfig” database and open it.
- The “SCOPIA Administrator Settings” window should be opened. You can configure the iVIEW Suite or SCOPIA Desktop servers that end users can connect to in order to schedule meetings. The list of servers configured in this window will be seen by end users in their configuration screen.
 - In the “Add Server” section
 - ◆ Set the type of server URL that you want to add in the **Server Type** field.
 - ◆ Give a name to the server that you want to add in the **Server Name** field.
 - ◆ Provide the server URL in the **Server URL** field. The format should be http://SERVER_URL:PORT_NUMBER
 - ◆ Click “Add to List” button to add this new server to the “Server List”
 - In the “Select List” section
 - ◆ You can remove any defined server from the list using “Remove from List” button.
 - ◆ You can check whether the server is reachable using the “Check Server Status” button. The server status is displayed in the **Status** field. A server must be reachable in order for SCOPIA IBM Lotus Notes add-on to function properly.
 - In the “Advanced” section.
 - ◆ You can check whether secure communication mechanism has been properly configured between Lotus Domino server and iVIEW Suite server working in Single Sign-on (SSO) mode.
 - ◆ In order to check, click on “Generate Ltpa token” to see if a new Ltpa token is

displayed in the **Status** field. If so, that means secure communication has been properly configured between Lotus Domino server and iVIEW Suite server.

Note: Ltpa token is needed to ensure secure communication between Domino and a third party web application.

Uninstall

Follow the steps below to uninstall the SCOPIA IBM Lotus Notes Add-on.

Procedure:

- Revert back to the default mail template:

Use Domino server console command to change mail file template for all affected users.

For example, assume user John's mail file is John.nsf in mail directory, send the following command from the Domino Server Console to convert template of John.nsf to mail7.ntf

```
>> load convert mail\ John.nsf * mail78.ntf (for Windows)
```

```
>> load convert mail/ John.nsf * mail78.ntf (for Linux)
```

To change all the mail files in mail directory, send the following command:

```
>> load convert mail\*.nsf * mail78.ntf (for Windows)
```

```
>> load convert mail/ *.nsf * mail78.ntf (for Linux)
```

- Remove ivconfig.nsf
 - Open the Domino server using Domino Administrator interface.
 - Go to Files tab and look for "ivconfig" database.
 - Select "ivconfig" database and choose the "Delete Database" option.
 - In the "Confirm Database Delete" window that pops open, select "Also delete replicas of this database on all other server" option.
 - Click "OK" button to delete this database.
- Remove mail7_iv.ntf
 - In the File tab, look for "Mail (R87) IV Addon" template.
 - Select "Mail (R87) IV Add-on" template and choose the "Delete Database" option.
 - In the "Confirm Database Delete" window that pops open, select "Also delete replicas of this database on all other server" option.
 - Click "OK" button to delete this template.