



INTEGRATION NOTE



Installing and Configuring the Lotus Notes Plug-in for Cisco Unified Videoconferencing Manager Release 5.6

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1 Overview

The Cisco Unified Videoconferencing Manager IBM Lotus Notes Plug-in is a separately deployed plug-in that can work in a Cisco Unified Videoconferencing Manager deployment or in a standalone Desktop Server deployment without Cisco Unified Videoconferencing Manager.

In a Cisco Unified Videoconferencing Manager deployment, the IBM Lotus Notes Plug-in allows users to schedule, modify, cancel and manage Resource Manager meetings using the IBM Lotus Notes interface.

In a standalone Desktop Server deployment, the Cisco IBM Lotus Notes Plug-in allows users to send out meeting invitations using the IBM Lotus Notes interface.

2 Prerequisites

System Requirements

Lotus Domino Server

- Supported versions: 7.0 and 8.0
- Running DIIOP HTTP services
- Configured as a Web SSO server with Ltpa token
- Administrator and Designer interfaces must be available

Each user should have a dedicated e-mail account for receiving meeting messages including meeting accept and decline messages.

For Cisco Unified Videoconferencing Manager deployments

- A dedicated Cisco Unified Videoconferencing Manager server which the IBM Lotus Notes Plug-in can connect to.
- This Cisco Unified Videoconferencing Manager server should be configured to work with IBM Domino server LDAP Directory service.
- Assign at least one virtual room to each user.

For Desktop Server deployments

- A dedicated Desktop Server server which the IBM Lotus Notes Plug-in can connect to.

3 How to Verify that the DIIOP Service is Running

Procedure

Step 1 Open the Lotus Domino Server command window.

Step 2 Enter “show task”.

Step 3 Verify that the “DIIOP Server” entry is present.

Step 4 If the “DIIOP Server” entry is not present, contact your Domino Server administrator to run the service.

4 How to Install the Cisco Unified Videoconferencing IBM Lotus Notes Plug-in

- [Creating NSF Objects via the Domino Designer Interface, page 2](#)
- [Configuring a Template via the Domino Administrator Interface, page 3](#)
- [Configuring Forms and Script Libraries via the Domino Designer Interface, page 3](#)

Creating NSF Objects via the Domino Designer Interface

Procedure

Step 1 Open the Domino Designer interface to connect to the target Domino server.

Step 2 Log in using the LocalDomainAdmins account.

Step 3 Open the setup.nsf file locally and sign the following agents:

- Create IVConfig.nsf—Contains the Cisco IBM Lotus Notes Plug-in configuration screen.
- Create mail8_IV.ntf—New template file for scheduling meetings using the Cisco IBM Lotus Notes Plug-in.

Step 4 Locally create IVConfig.nsf as follows:

- Select the Create IVConfig.nsf agent and click **Run**.
- Select the IVConfig.dxl file provided on the Cisco Utilities and Documentation CD-ROM supplied with the product.

The agent completes the operation and IVConfig.nsf is created remotely.

Step 5 Remotely create mail8_IV.ntf as follows:

- Select the Create mail8_IV.ntf agent and click **Run**.
- Select the IVAgentLib.dxl file provided on the Cisco Utilities and Documentation CD-ROM supplied with the product.

The agent completes the operation and mail8_IV.ntf is created remotely.

Step 6 Close the Domino Designer interface

Configuring a Template via the Domino Administrator Interface

Procedure

Step 1 Open the Domino Administrator interface to connect to the target Domino server.

Step 2 Select **File**.

Step 3 Select the Properties window of mail8_IV.ntf template.

Step 4 Select **Database file is master template**.

Step 5 Select StdMail7_IV in the Template Name field.

Step 6 Close the Properties window.

Step 7 Save your changes.

Step 8 Close the Domino Administrator interface.

Configuring Forms and Script Libraries via the Domino Designer Interface

Procedure

Step 1 Open the Domino Designer interface to connect to the target Domino server.

Step 2 Log in using the LocalDomainAdmins account.

Step 3 Go to **File > Database > Open**.

Step 4 Select the remote Domino server that has the Cisco IBM Lotus Notes Plug-in installed from the Server list.

Step 5 Select and open the Mail (R8) IV Addon database from the Database list.

Step 6 Enter code into the _Calendar Entry Form as follows:

- Go to **Top Menu > View > Go to > Forms** for the Mail (R8) IV Addon database to display all forms in this database.
- Double-click **_Calendar Entry**.
- Locate the Body field.
- Right-click above the Body field and select **Insert Resource**.

- Select - **Current database** - from the Database list.
- Select **Subform** from the Resource Type list.
- Select **IVSubForm** from the **Available resources** list.
- Click **OK**.

Step 7 Save and close the _Calendar Entry Form.

Step 8 Enter code into the (\$Calendar) View as follows:

- Go to **Top Menu > View > Go to > Views** for the Mail (R8) IV Addon database to display all views in this database.
- Double-click (**\$Calendar**).
- Verify that the **View > Action Pane** option is selected.
- Right-click **Unfilter** in the Action pane.
- Select **Create Action**.
- Enter **Cisco Settings** in the Name field.
- Select **Hide action if formula is true** in the second tab of the Action window.
- Click **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.
- Add the following code in the (Action): Click window:

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

Step 9 Enter code into the _Calendar Entry Form as follows:

- Go to **Top Menu > View > Go to > Forms** for the Mail (R8) IV Addon database to display all forms in this database.
- Double-click **_Calender Entry**.
- Verify that the **View > Programmer's Pane** option is selected.
- Select **(Global) Appointment > (Options)** in the Objects tab.
- Add the following line to the code:

```
Use "IVShareLib"
```

- Select **Appointment (Form) > Queryopen** in the Objects tab.
- Locate **CSCalendarEntry** and replace with **IVCSWrapper**.
- Save and close the form.

Step 10 Enter code into the CSUIViewClass Script Library as follows:

- Go to **Top Menu > View > Go to > Script Libraries** for the Mail (R8) IV Addon database to display all script libraries in this database.
- Double-click **CSUIViewClass**.
- Select **CSUIViewClass > (Options)** in the Objects tab.
- Add the following line to the code:

```
Use "IVShareLib"
```

- Select **CSUIViewClass > InitEventObject** in the Objects tab.
- Locate **CSEventNotes** and replace with **IVCalendarWrapper**.
- Save and close the script library.

5 How to Configure the Cisco Unified Videoconferencing IBM Lotus Notes Plug-in

- [Using a New Template, page 5](#)
- [Configuring Domino Web SSO, page 5](#)
- [Assigning an Execution Control List, page 6](#)

Using a New Template

Procedure

- Step 1** Create a user group called Notes_Video_conf_sched_group.
Any user that you assign to this group can see the user interface of the Cisco IBM Lotus Notes Plug-in.
- Step 2** Use the Domino server console command to change the mail file template for all affected users.
For example, assume user John's mail file is John.nsf.
Send the following command from the Domino server console to convert the John.nsf template to mail8.ntf:
For Windows:

```
>> load convert mail\ John.nsf * mail8_IV.ntf
```


For Linux

```
>> load convert mail/ John.nsf * mail8_IV.ntf
```
- Step 3** To change all the mail files in mail directory, send the following command:
For Windows:

```
>> load convert mail\*.nsf * mail8_IV.ntf
```


For Linux:

```
>> load convert mail/ *.nsf * mail8_IV.ntf
```
-

Configuring Domino Web SSO

The Web SSO configuration described here is R5 compatible.

Procedure

- Step 1** Open the Domino Administrator interface to connect to the target Domino server.
- Step 2** Click **Configuration**.
- Step 3** Select **Server > Current Server Document**.
- Step 4** Click **Create Web** and select **SSO Configuration**.
- Step 5** Enter the Cisco Unified Videoconferencing Manager server DNS domain in the DNS Domain field.
For example, "mycompany.com".
- Step 6** Verify that the Domino server with the Cisco IBM Lotus Notes Plug-in installed is configured in the Domino Server Names field.
For example, "Domino3/Test".
- Step 7** Click **Keys** and select **Create Domino SSO Key** to generate a new key.

- Step 8** Save your changes and close the Web SSO Configuration window.
- Step 9** Select **Server > Current Server Document**.
- Step 10** Click **Internet Protocols**.
- Step 11** Click **Domino Web Engine**.
- Step 12** Click **Edit**.
- Step 13** Select **Multiple Servers (SSO)** in the Session authorization option.
- Step 14** Select **LtpaToken** in the Set Web SSO Configuration option.
- Step 15** Click **Basics** and verify that the **Load Internet configurations from Server\Internet Sites documents** field is set to **Disabled**.
- Step 16** Click **Save & Close** to save your changes.
-

Assigning an Execution Control List

Assign an Execution Control List (ECL) to users so that they can execute the Cisco IBM Lotus Notes Plug-in client-side module. Create a new policy which allows users to run the Cisco IBM Lotus Notes Plug-in, and then assign this policy to user group `Notes_Video_conf_sched_group`.

Procedure

- Step 1** Open the Domino Administrator interface to connect to the target Domino server.
- Step 2** Click **Configuration**.
- Step 3** Select **Policies > Create** to create a new policy.
- Step 4** Enter a name for the new policy in the Basics tab such as “`IV_POLICY`”.
- Step 5** Click **New** next to the Security field to create new security settings.
- Step 6** Enter a name for the new security setting in the Basics tab such as “`IV_SECURITY`”.
- Step 7** Click **Execution Control List**.
- Step 8** Set Update Mode to **Replace**.
- Step 9** Click **New** next to Admin ECL.
- Step 10** Select **Allow user to modify**.
- Step 11** Select **Workstation security**.
- Step 12** Select a workstation security setting for the domain admin user from the When signed by list, such as `admin/Test`.
- Step 13** Select the following access options:
- Access to file system
 - Access to current database
 - Access to environment variables
 - Access to external programs
 - Ability to read other databases
 - Ability to modify other databases
- Step 14** Select **Java applet security** under **Allow user to modify**.
- Step 15** Select all the **Allow** options.
- Step 16** Click **OK** to save your changes and close the Execution Control List window.
- Step 17** Click the **People & Groups** tab and select **Groups**.
- Step 18** Right-click `Notes_Video_conf_sched_group` and select **Assign Policy**.
- Step 19** Select `IV_POLICY` for this user group.

Step 20 Click OK to save your changes.

6 Configuring the Domino Server

Procedure

- Step 1** Select **File > Database > Open** in the Lotus Notes interface.
- Step 2** Select the remote Domino server that has the Cisco IBM Lotus Notes Plug-in installed from the Server list.
- Step 3** Select and open the ivconfig database from the Database list.
- Step 4** Configure the Cisco Unified Videoconferencing Manager or Desktop Server servers that end users can connect to for meeting scheduling in the Add Server section, as follows:
- Set the type of server URL that you want to add in the Server Type field.
 - Enter a name for the server that you want to add in the Server Name field.
 - Enter the server URL in the Server URL field.
For Cisco Unified Videoconferencing Manager use the format `http://SERVER_URL:PORT_NUMBER`
For Cisco Unified Videoconferencing Desktop use the format `http://SERVER_URL:PORT_NUMBER/cuvm`
 - Click **Add to List**.
- Step 5** (Optional) Click **Remove from List** to remove any defined server from the Select List section.
- Step 6** (Optional) Click **Check Server Status** to verify that the server is reachable.
The server status is displayed in the Status field.
A server must be reachable for the Cisco IBM Lotus Notes Plug-in to function properly.
- Step 7** (Optional) Click **Generate Ltpa token** in the Advanced section to verify that a secure communication mechanism has been properly configured between the Lotus Domino server and the Cisco Unified Videoconferencing Manager server working in Single Sign-on (SSO) mode.
If a new Ltpa token is displayed in the Status field, secure communication has been properly configured.
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7 How to Uninstall the Cisco Unified Videoconferencing IBM Lotus Notes Plug-in

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- [Removing the mail8_iv Template, page 8](#)

Reverting to the Default Mail Template

Procedure

- Step 1** 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.
Send the following command from the Domino server console to convert the John.nsf template to mail8.ntf:
For Windows:
- ```
>> load convert mail\ John.nsf * mail8.ntf
```

For Linux

```
>> load convert mail/ John.nsf * mail8.ntf
```

**Step 2** To change all the mail files in mail directory, send the following command:

For Windows:

```
>> load convert mail*.nsf * mail8.ntf
```

For Linux:

```
>> load convert mail/ *.nsf * mail8.ntf
```

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## Removing the ivconfig Database

### Procedure

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- Step 1** Open the Domino Administrator interface to connect to the target Domino server.
  - Step 2** Click File.
  - Step 3** Right-click **ivconfig** and select **Delete Database**.
  - Step 4** Select **Also delete replicas of this database on all other servers**.
  - Step 5** Click **OK** to delete this database.
- 

## Removing the mail8\_iv Template

### Procedure

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- Step 1** Open the Domino Administrator interface to connect to the target Domino server.
- Step 2** Click File.
- Step 3** Right-click **Mail (R8) IV Addon** and select **Delete Database**.
- Step 4** Select **Also delete replicas of this database on all other servers**.
- Step 5** Click **OK** to delete this template.

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## 8 Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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