LCM – VM – THIRD PARTY TOOLS

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Minith Patel
Sr. Consultant @ Infosol
mpatel@infosol.com

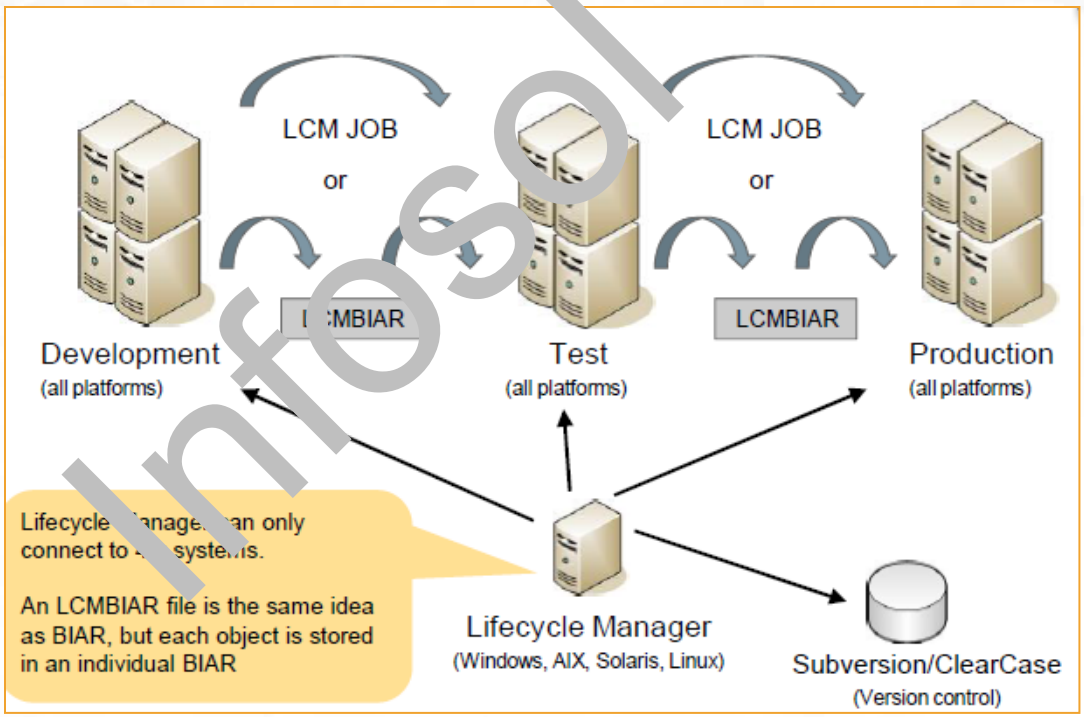
LIFECYCLE MANAGER

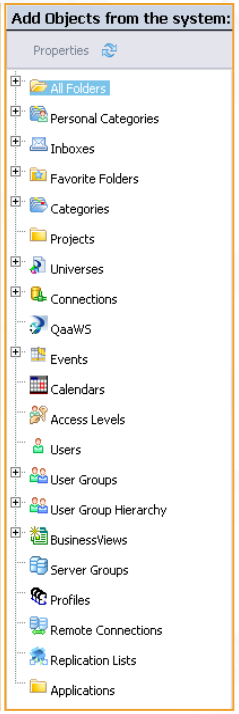
LCM tools

- Promotion Manager
- Version Management
- Visual Difference

.LCMBIAR file

Replaces .BIAR files





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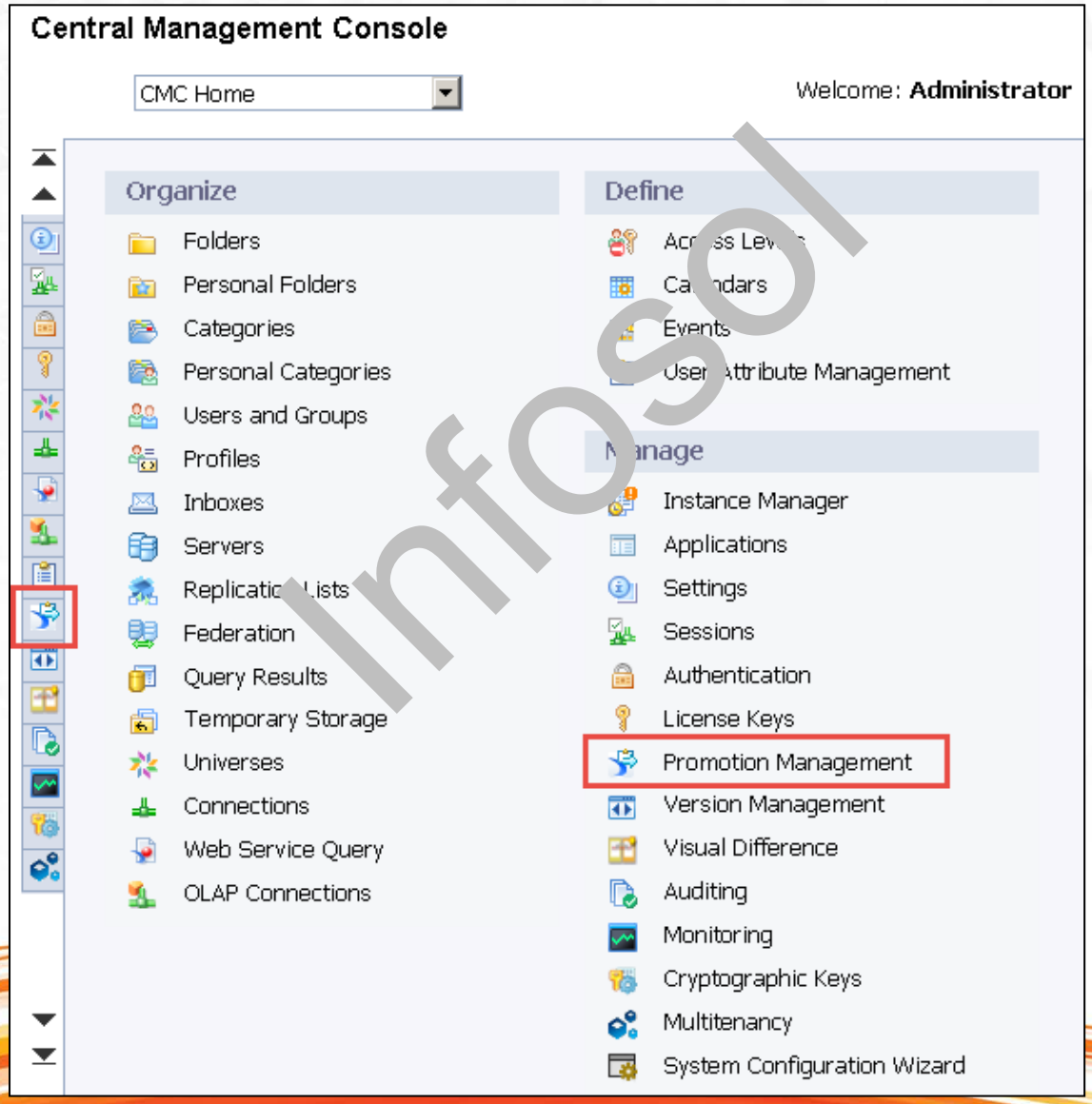
PROMOTION MANAGEMENT



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SOME THINGS NOT PROMOTED BY LCM

- Users (that only have a 3rd party alias) and all their favorites/inbox content
- Setup of 3rd Party authentication
- Promotion Jobs themselves
- Authentication setup/settings
- Server group to server relationships
- Servers
- Tenants
- Applications (or application Settings)
- License Keys

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PROMOTION JOBS – OPTIONS AND FEATURES

Independent options	Job Independent Options
New Job	Properties
Import	History
Settings	Edit
Override Settings	Promote
	RollBack
	VMS Actions

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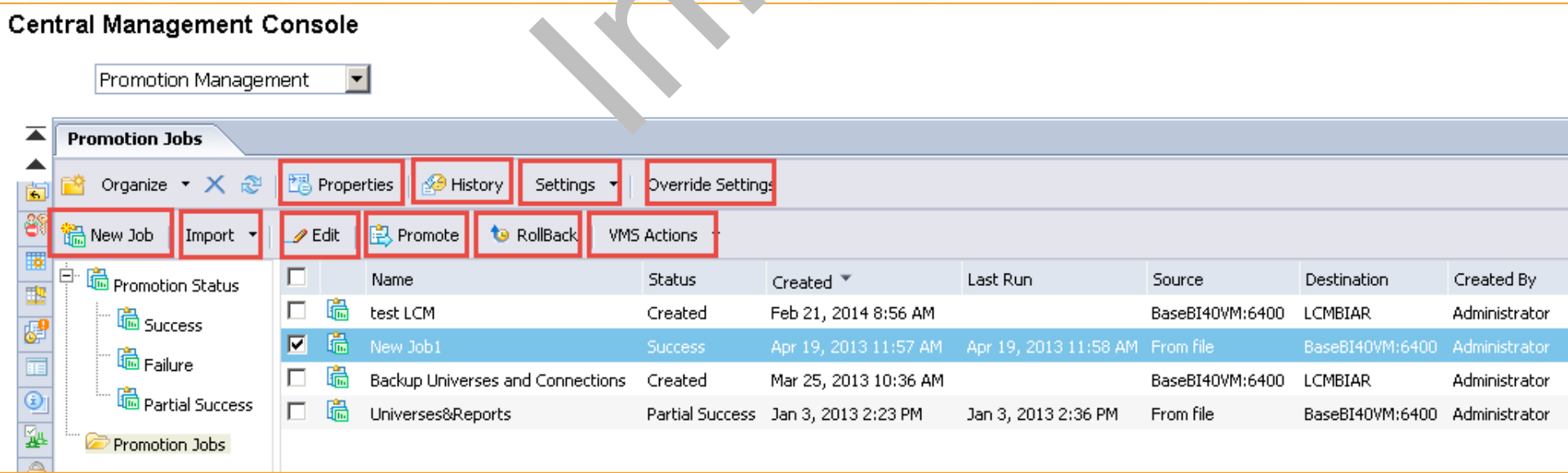


PROMOTION MANAGEMENT - SETTINGS

Settings

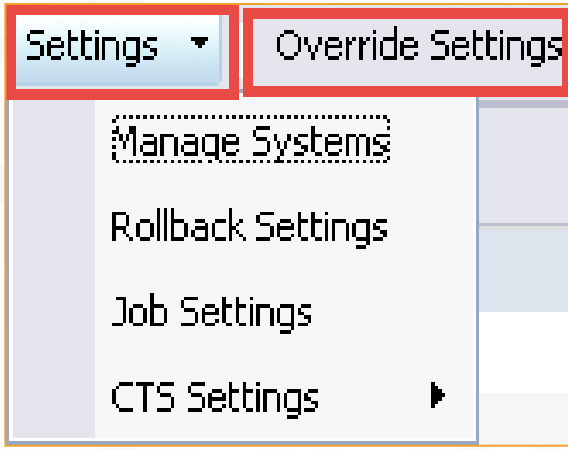
- Manage System - Add another system (CMS hosts, ports, users)
- Rollback Settings - Opportunity to take botched upgrade and revert to prior state
- Job Settings - Scheduled Job options
- CTS Settings - Add BW system and Web Services

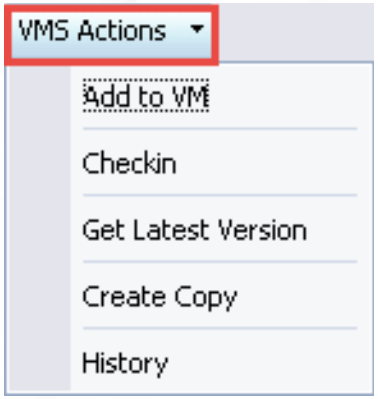
Override Settings

- Change of connection, correct host etc. associated to an objec
- Useful as Connections can be different in Dev Vs Prod

VMS Actions

- Add to VM – Adds object in VMS repository
- Checkin – Updates the document that exists in the VMS repository
- Get Latest Version – Obtain the latest version of the document from the VMS
- Create Copy – Create a copy of the latest version
- History – View all the versions available for the selected resource





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CMC>APPLICATIONS>PROMOTION MANAGEMENT>USER SECURITY

- • Allow access to edit overrides
- • Allow access to Include Security
- • Allow access to LCM administration
- • Allow access to Manage Dependencies
- • Create Job
- • Delete Job
- • Edit Job
- • Edit LCMBIAR
- • Export as LCMBIAR
- • Import LCMBIAR
- • Promote Job
- • Rollback Job
- • View and Select BOMM (BusinessObjects Metadata Objects
- • View and Select Business Views
- • View and Select Calenders
- • View and Select Connections
- • View and Select Profiles
- • View and Select QaaWS
- • View and Select Report Objects
- • View and select Security settings
- • View and select Universes

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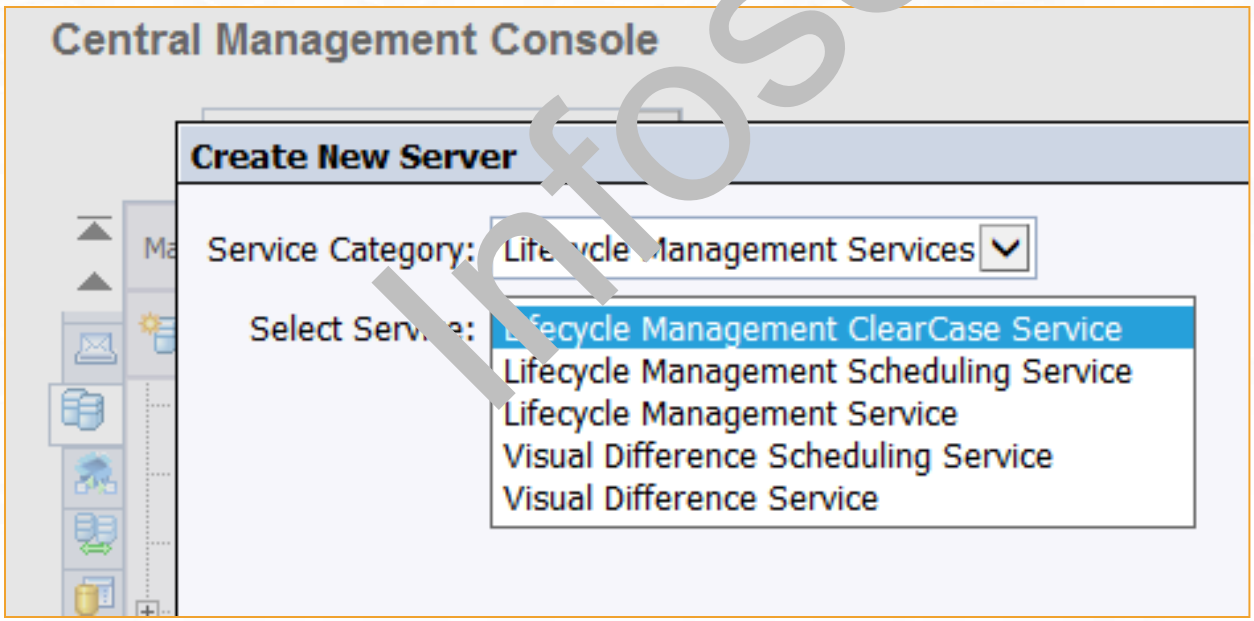
CREATE NEW SERVER FOR LCM

- Set up dedicated LCM servers as part of breaking down the adaptive processing and adaptive job servers
- Version manager services are part of the promotion management services - there is no distinct version manager service



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COMMAND LINE OPTION

- See KB 1634962
- Why use command line?
  - More objects allowed
  - Consistency with .properties file
- Create .properties file (i.e. lcm1.properties)
- Run script
  - Windows path: <installdir>\WIN64_x64\scripts\lcm_cli.bat

> Lcm_cli.bat –lcmproperty c:\lcm1.properties

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COMMAND LINE OPTION

- Here is an example of a properties file to EXPORT to an lcmbiar file:

```
exportLocation=C:/lcm1.lcmbiar
action=export
LCM_CMS=localhost:6400
LCM_userName=Administrator
LCM_password=password
LCM_authentication=secEnterprise
Source_CMS=localhost:6400
Source_userName=Administrator
Source_password=password
Source_authentication=secEnterprise
exportQuery1=select * from ci_Infoobjects where si_kind='Webi'
```

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COMMAND LINE OPTION

- Here is an example of a properties file to IMPORT from an lcmbiar file:

```
importLocation=C:/lcm1.lcmbiar
action=promote
LCM_CMS=localhost:6400
LCM_userName=Administrator
LCM_password=password
LCM_authentication=secEnterprise
Destination_CMS=localhost:6400
Destination_userName=Administrator
Destination_password=password
Destination_authentication=secEnterprise
```

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VERSION MANAGEMENT

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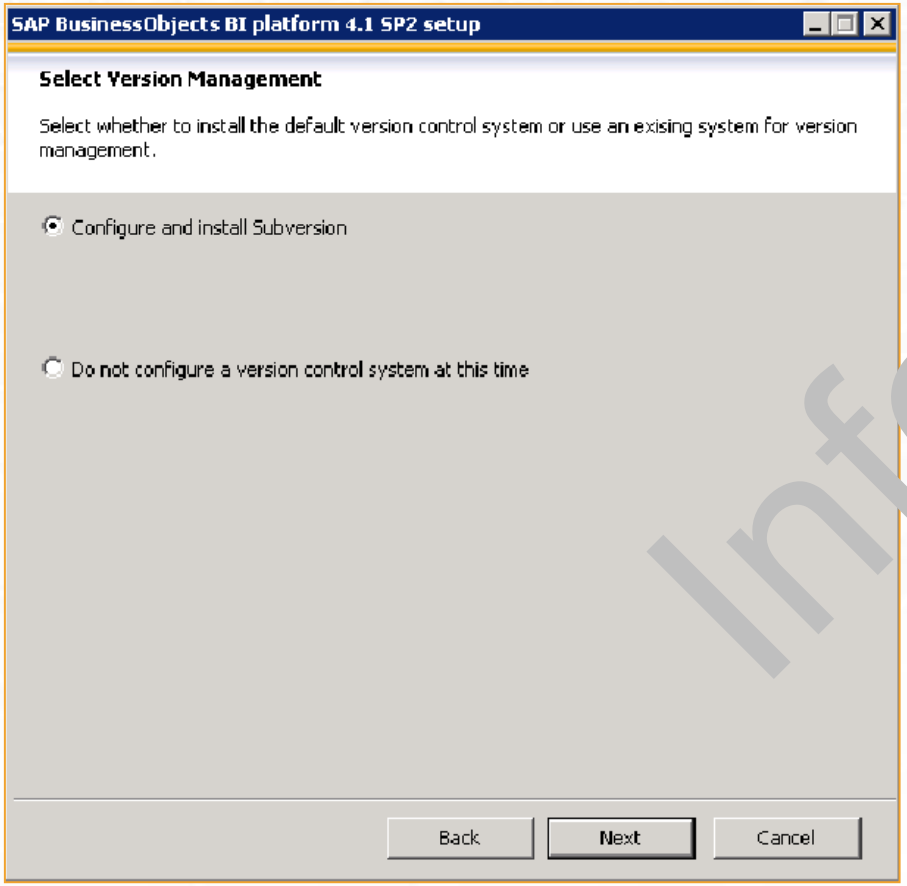
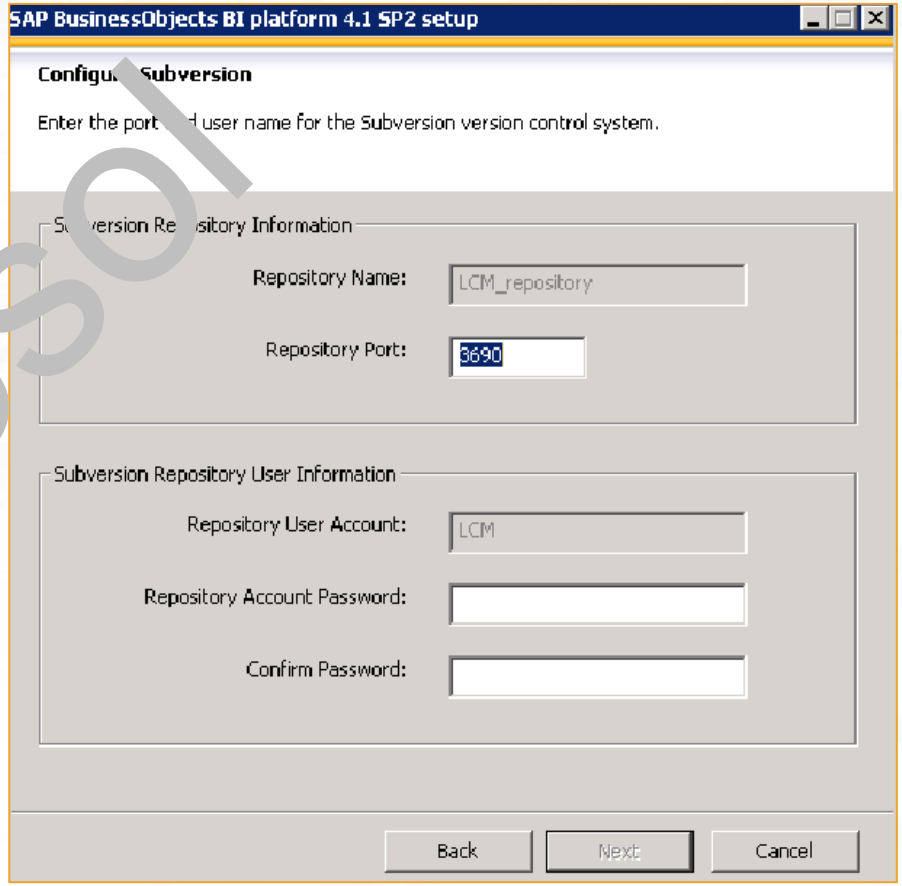
VM SET UP DURING BO 4.1 INSTALLATION





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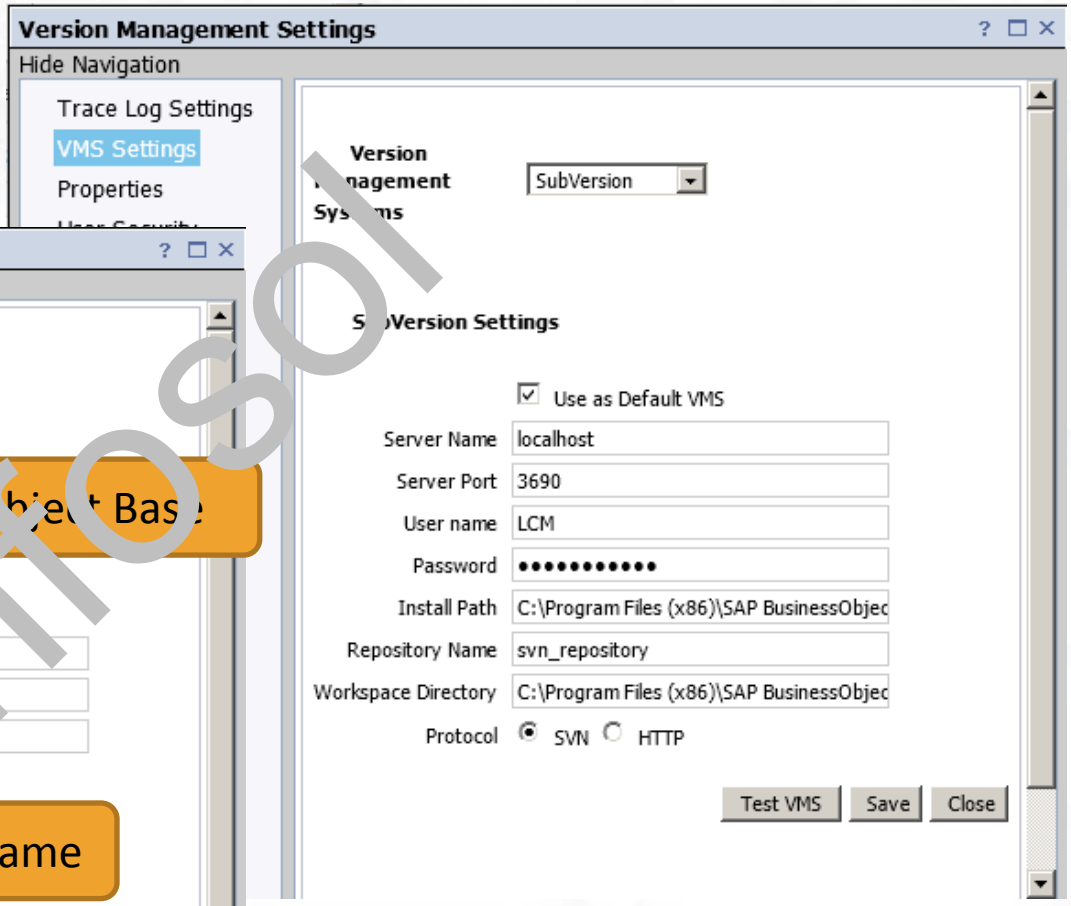
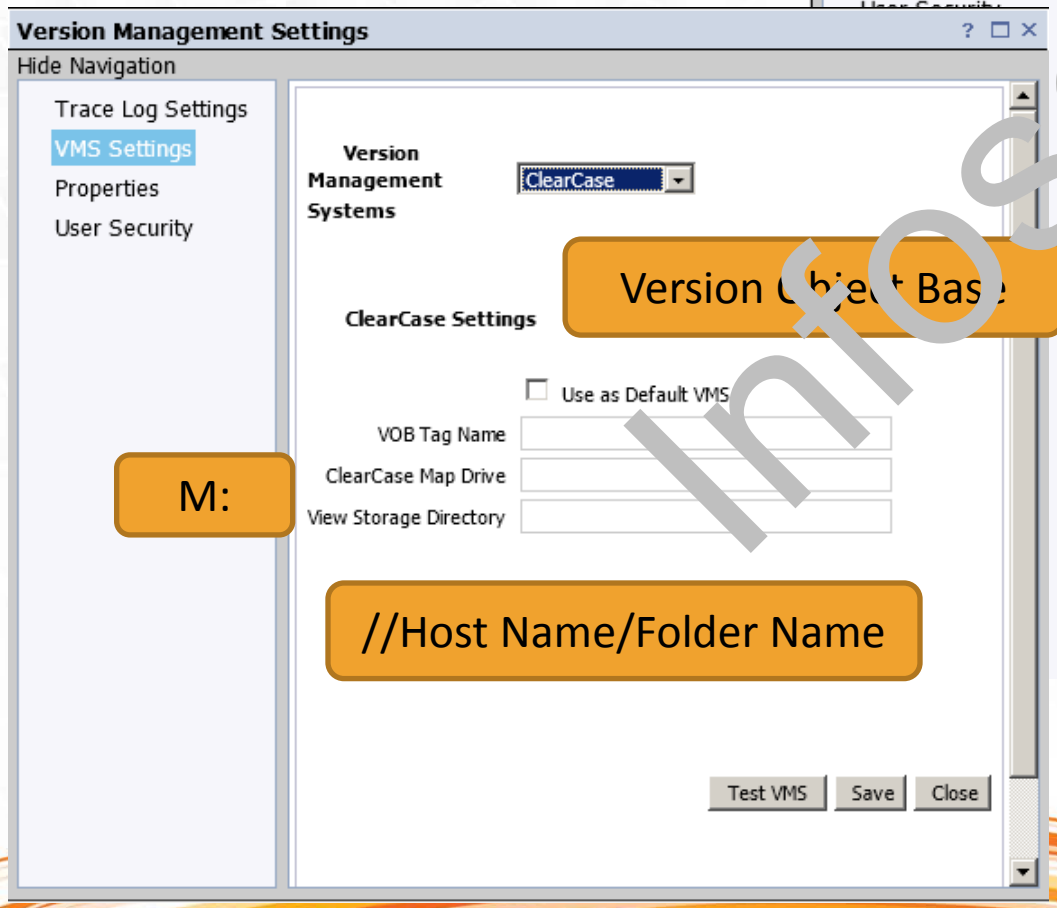
CLEARCASE OR SUBVERSION SETUP

- Applications>

  Version Management





Version Object Base

M:

//Host Name/Folder Name

Note: SVN uses port 3690

HTTP uses 8080

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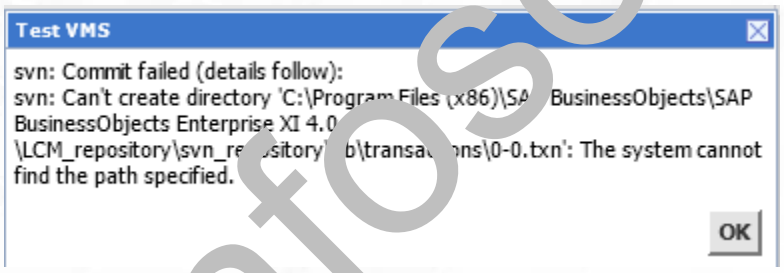
INCORRECT INSTALLATION ERROR MESSAGE



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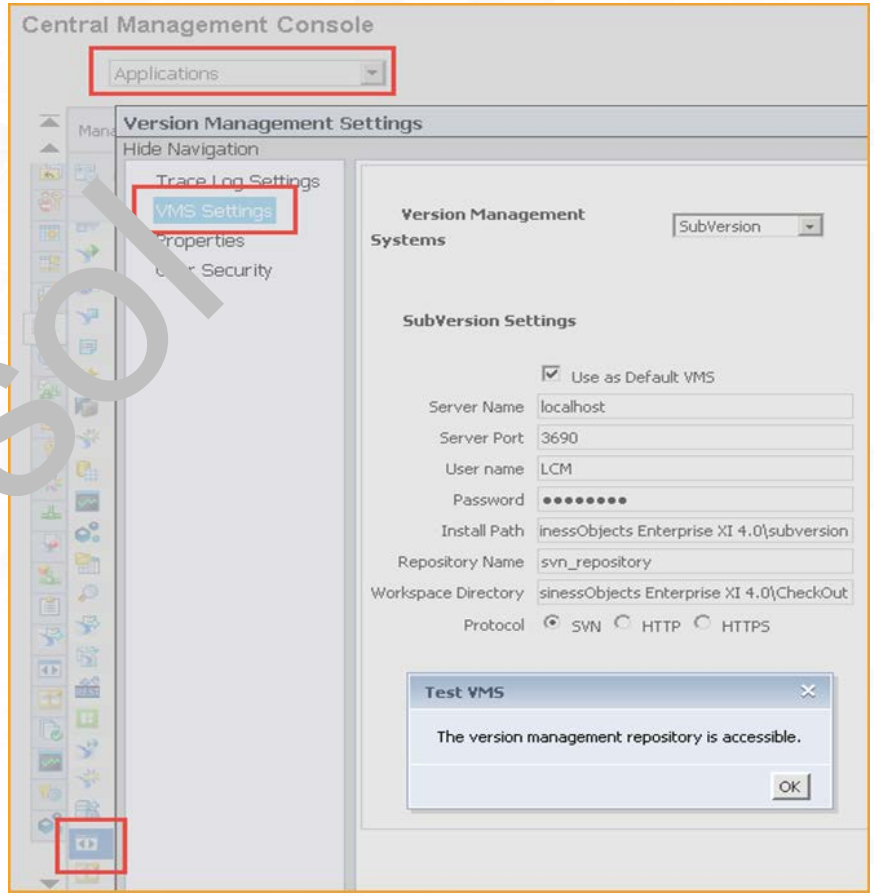
SETTING UP VM IN CMC

- Two types of VMS
  - ClearCase
  - Subversion (comes with BO)



- To set up subversion use the information used during installation

Default path :

- Install Path : <install Dir> \SAP BusinessObjects Enterprise XI 4.0\subversion
- Workspace Directory : <install Dir> \SAP BusinessObjects Enterprise XI 4.0\CheckOut

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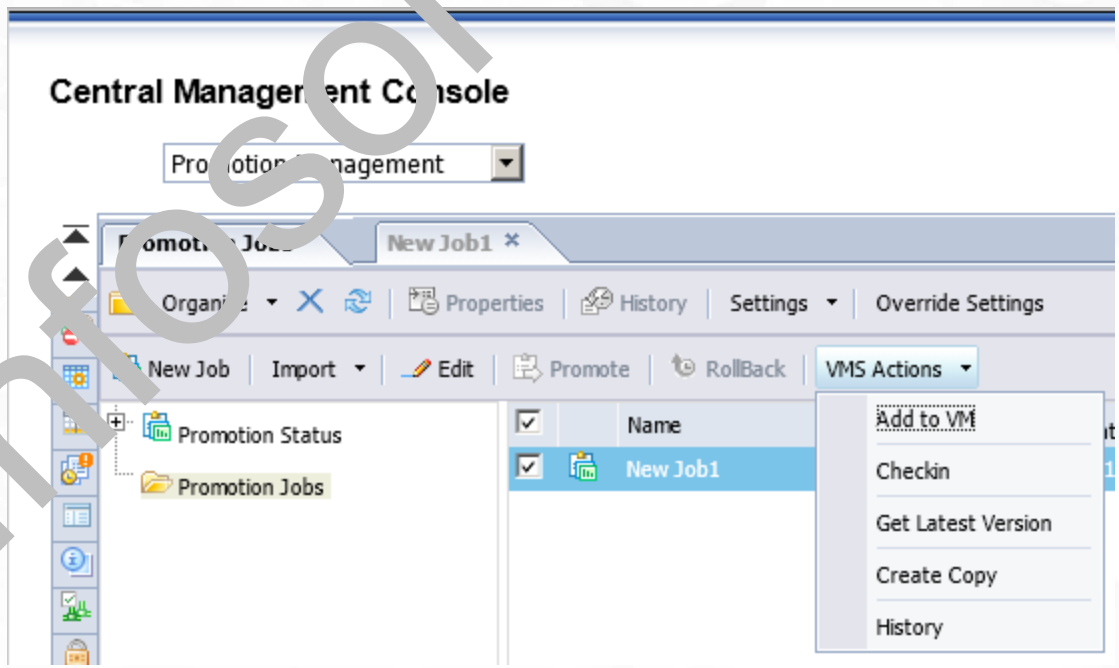
VMS ACTIONS IN PROMOTION

- Add to VM
- Checkin
- Get Latest Version
- Create Copy
- History



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VM – FEATURES AND OPTIONS

- **Refresh** – To update any changes.
- **Add to VM** – Results in the creation of a base version of the object in (VMS) repository
- **Checkin** – Updates documents that exist in VM with the new changes
  - Can add up to 255 character comment.
  - Comment appears as "Message" under History

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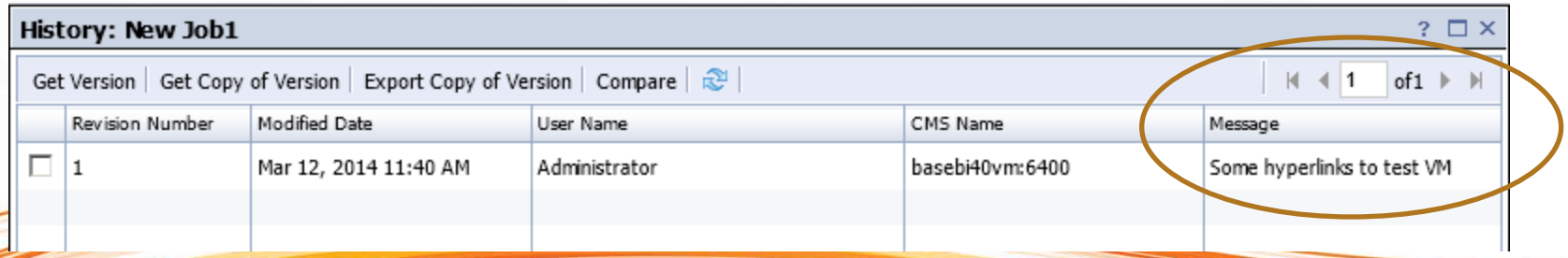
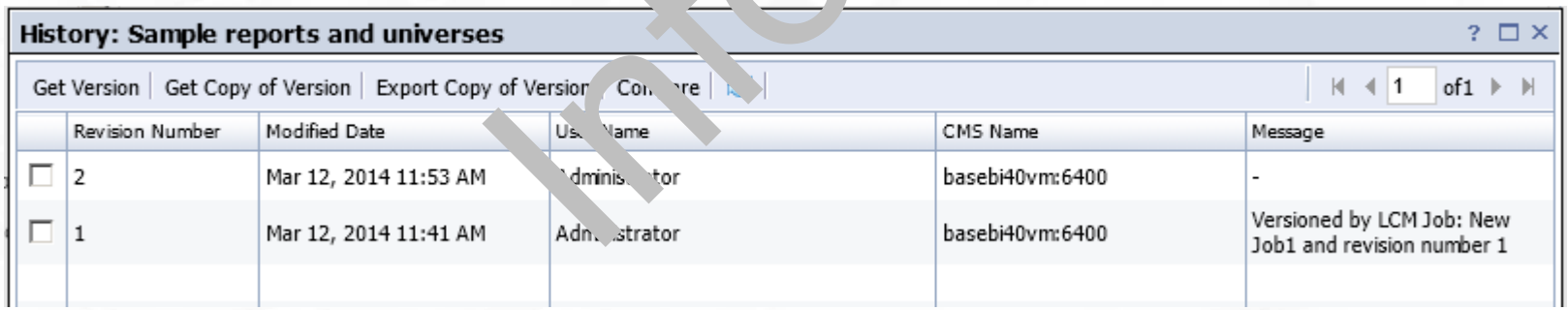


VM – FEATURES AND OPTIONS

- **Get Latest Version** – Gest the latest version
- **Create Copy** – Copy of the latest version
- **History** – Version History with comments and dates



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VM – FEATURES AND OPTIONS

- **View Deleted resources** – Deleted items with its history
- **Lock** – Object cannot be used for any of the VM features
- **Unlock** – Objects can now be used for any of the VM features
- **Delete** – Deletes selected objects
- **Properties** – Object name, location, description etc.

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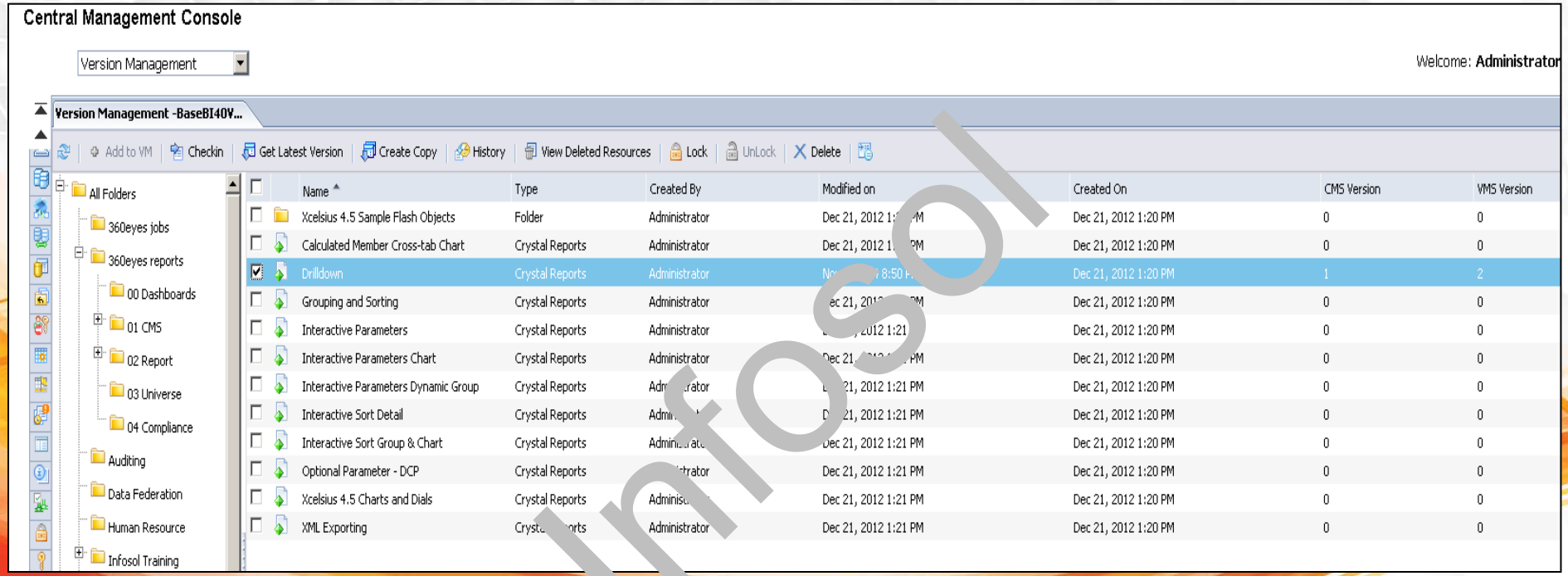
VERSION MANAGEMENT OF OBJECTS



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BACKING UP SUBVERSION FILES

Complete the following steps to backup the subversion files:

- **1.** Go to **<InstallDIR>**\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise 4.0\CheckOut
- **2.** Copy the CheckOut folder and store in any backup device.
- **3.** Copy the entire LCM_Repository and store in any backup device.

Restoring Subversion Files

Complete the following steps to restore subversion files:

- **1.** Restore the CheckOut folder from the earlier backed up location.

Note:

- In **LCM** > **Administration options** > **VMS Settings** > **Subversion**, ensure that the correct check out path is entered in the **Workspace Directory** field.

- **2.** Restore the LCM_Repository from the earlier backed up location.

Note:

- In **LCM** > **Administration options** > **VMS Settings** > **Subversion**, ensure that the correct check out path is entered in the **Install Path** field.

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3RD PARTY TOOLS FOR LCM AND VM

- EBIEXPERTS - Version Manager
- GB&Smith - 360+

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EBIEXPERTS – VERSION MANAGER

- Version Manager is a version control solution specifically designed for BusinessObjects that provides version management, lineage and data comparison for Universes, Web Intelligence, Crystal Reports, Desktop Intelligence and Word documents.

  - Easy view of all versions of documents and universes and the environments where published.
  - Compare versions to view differences - both structure and content
  - Easy rollback by publishing previous version from Version Manager to BusinessObjects.
  - Provides a history of all Publications.
  - Provides an Audit Trail of All Actions Performed.
  - Uses Color Coding To Highlight Differences when Comparing Versions of a Universe or Document (Print or Export Results to XML or CSV).
  - Built-in Metadata Reporting for Quick Impact Analysis.
  - View extended details of universes and reports

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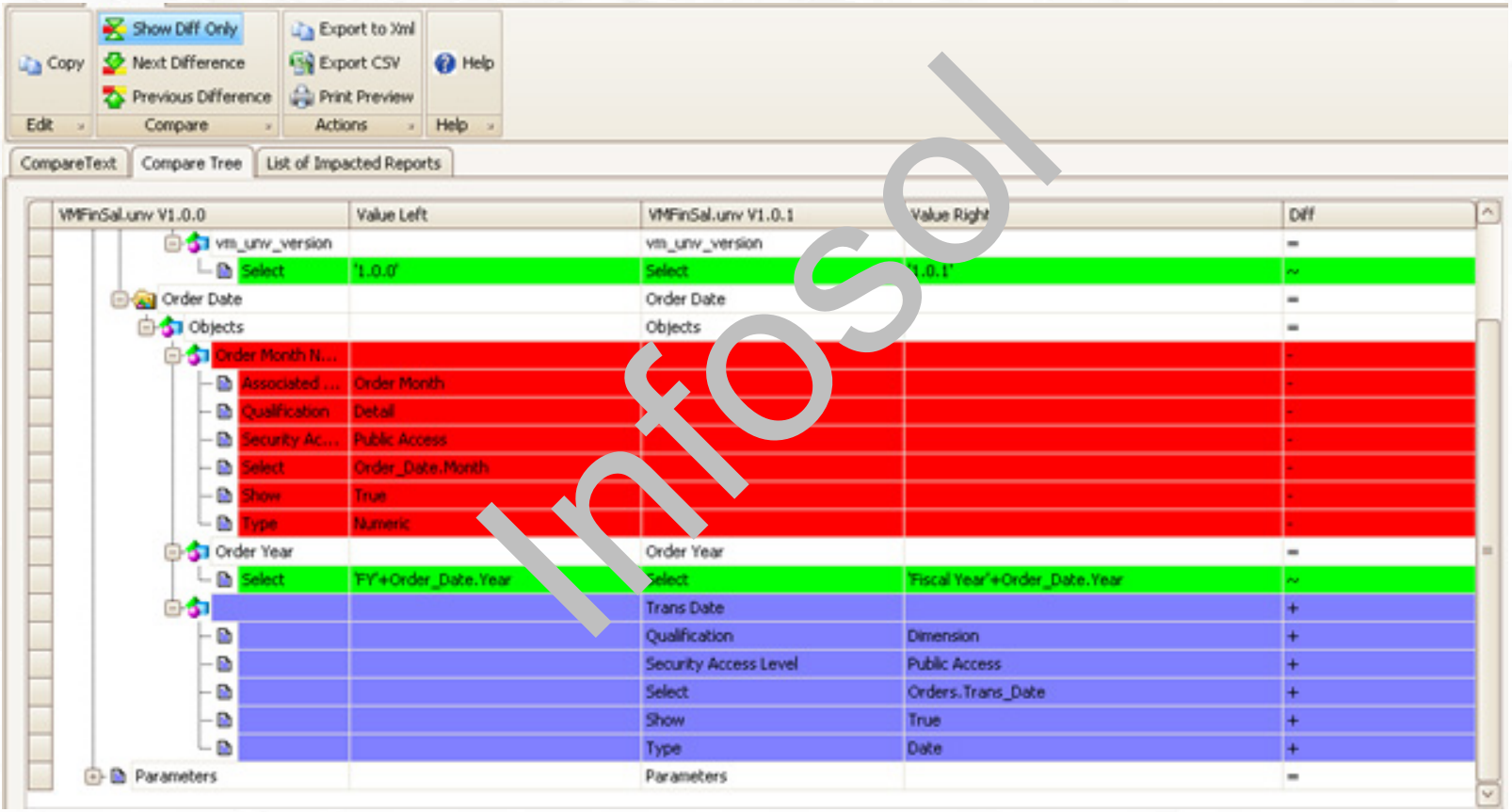
EBIEXPERTS – VERSION MANAGER



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GB&SMITH – 360 VIEW +

- In addition to the CMC tasks 360 View + can also help with Promotion Management and Version Management
  - Easy to use
  - Log into Multiple BO environments
  - Drag and Drop to Promote
  - Schedule Backups
  - Provides additional options eg .purge report, save to excel etc without opening the report

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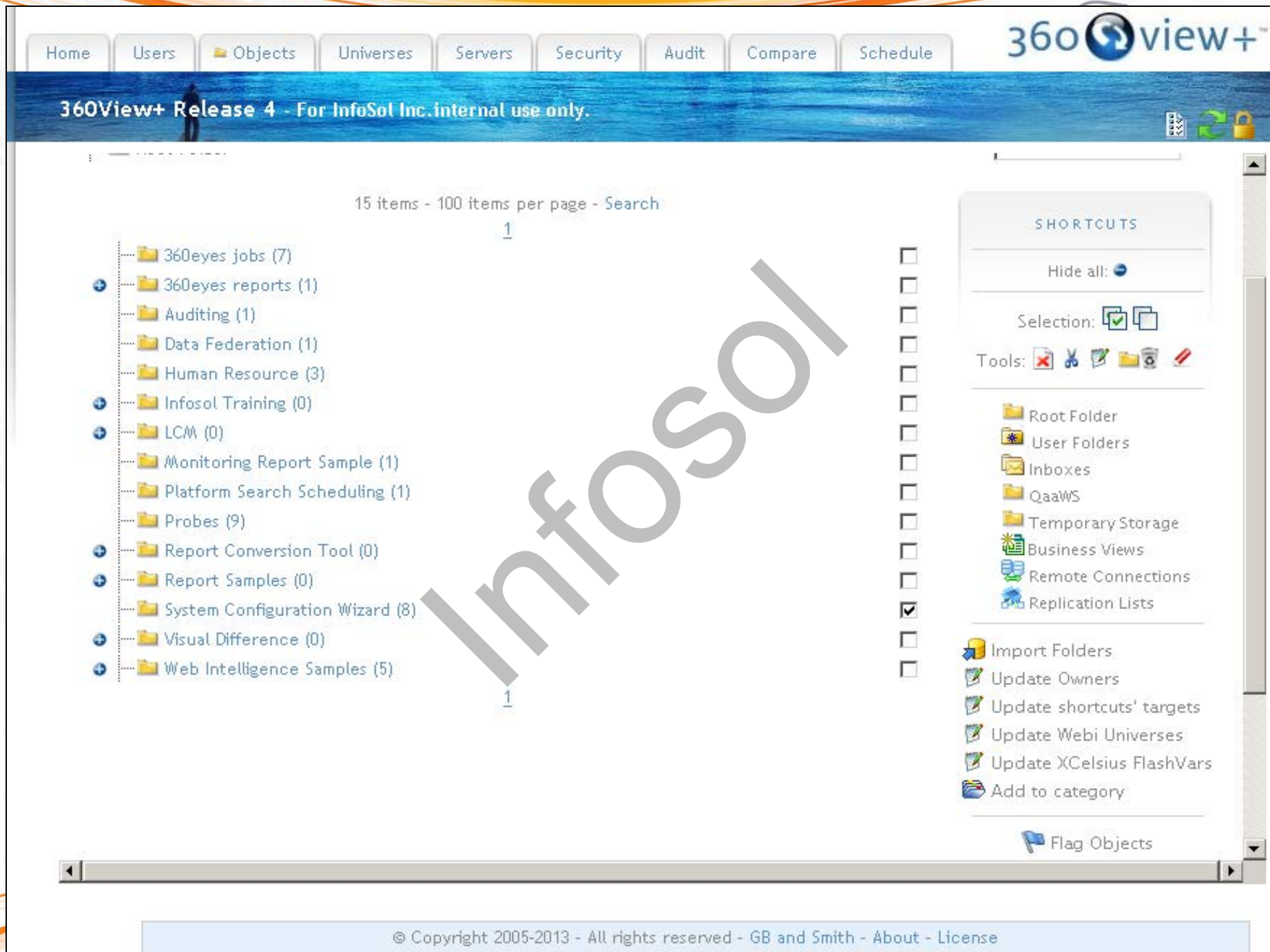
Home
Users
Objects
Universes
Servers
Security
Audit
Compare
Schedule
360view+
360View+ Release 4 - For InfoSol Inc.internal use only.
15 items - 100 items per page - Search
1
360eyes jobs (7)
360eyes reports (1)
Auditing (1)
Data Federation (1)
Human Resource (3)
Infosol Training (0)
LCM (0)
Monitoring Report Sample (1)
Platform Search Scheduling (1)
Probes (9)
Report Conversion Tool (0)
Report Samples (0)
System Configuration Wizard (8)
Visual Difference (0)
Web Intelligence Samples (5)
1
SHORTCUTS
Hide all:
Selection:
Tools:
Root Folder
User Folders
Inboxes
QaaWS
Temporary Storage
Business Views
Remote Connections
Replication Lists
Import Folders
Update Owners
Update shortcuts' targets
Update Webi Universes
Update XCelsius FlashVars
Add to category
Flag Objects
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Feature	Promotion Management in BO 4.X	360View+
Multiple BO environment log in	Can only log in to one Environment at a time.	Can log in to Multiple BO environments and perform tasks such as, manage environments, compare, drag and drop to promote, schedule jobs etc
Instant Promotion of content via Drag and Drop	NO Drag and drop option	Can drag and Drop objects to promote them instantly from one environment to another
Promote only flagged content	No option, you have to individually select objects	Can specify to promote flagged items (can also be a scheduled activity)
Schedule other tasks	Can only schedule a promotion job from one environment to another	Can schedule various other tasks such as Purge inboxes, import user list etc
Schedule Backup	Full Backup option is not available; however you can create a LCMBIAR file for required objects by creating a job in promotion management. (not recommended as proper backup methodology but it can be done for short term projects that are not accommodated as part of regular backup activity)	Can create/schedule full back up and can specify limit on versions to maintain (360 performs initial full backup and then saves delta)
Partial Restore/Rollback	Can be done based on job history and VMS	Can be done based on backup versions
Select individual objects	Allows full control on selection of objects for migration	Allows full control on selection of most of the objects but not everything Eg: specific events, inbox etc cannot be selected for import
Override Connections	Can change and specify the database credentials for connections from target to destination	Cannot specify database credentials for connections. Need to manually change it, once job is imported
Test Promote	Can be done	Cannot be done

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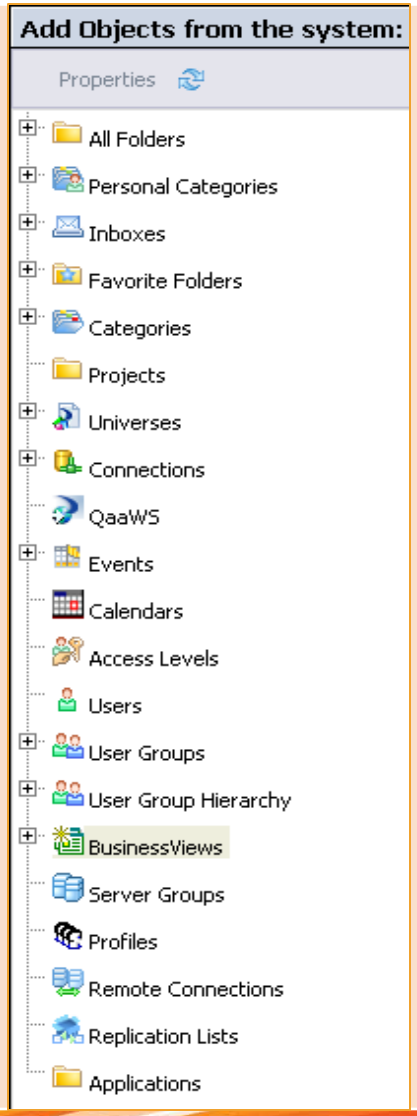
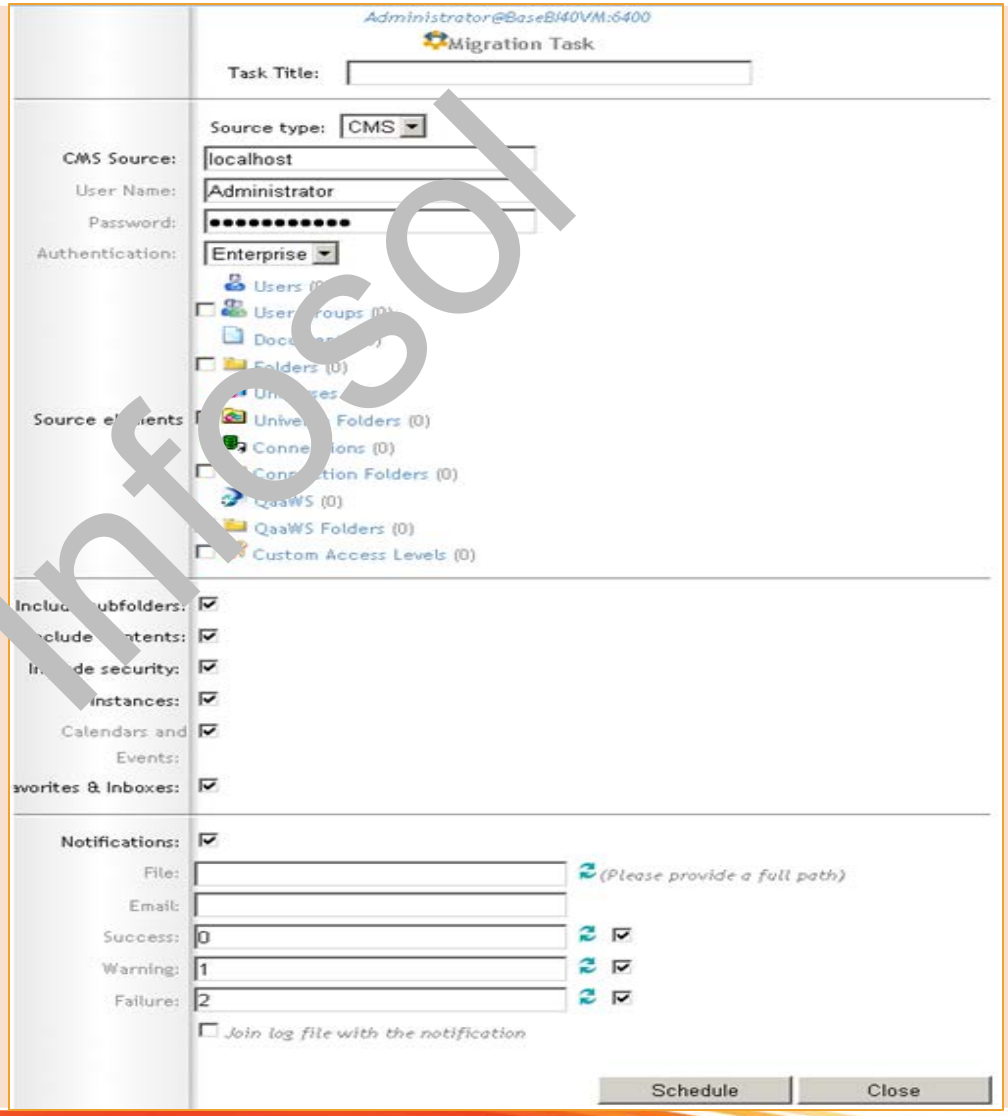
SCREEN SHOT BELOW SHOWS OPTIONS FOR PROMOTION OF CONTENTS FROM ONE BO 4.X ENVIRONMENT TO ANOTHER.

BO 4.X



360+



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USEFUL LINKS – RIGHT CLICK AND OPEN HYPERLINK

- How to cluster Version Management in SAP BusinessObjects
- Promotion Management in BI 4.0
- Promotion and Version Management Best Practices
- Promotion and Version Management Support Matrix
- EBIEXPERT – Version Manager
- GB&Sminith 360

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QUESTIONS ?

- The End
- おわり-owari
- समाप्त-samapt
- અંત-aant
- शेवटी-Shevati

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