



# Composite Data Virtualization

## ***Composite PS Promotion and Deployment Tool***

### ***Module Definitions***

Composite Professional Services

August 2013

Composite Data Virtualization

---

## TABLE OF CONTENTS

ARCHIVE MODULE .....	4
CONNECTOR MODULE .....	4
DATA SOURCE MODULE .....	5
DOMAIN MODULE .....	6
GROUP MODULE .....	7
PRIVILEGE MODULE .....	8
REBIND MODULE .....	8
REGRESSION TEST MODULE .....	9
RESOURCE MODULE .....	10
RESOURCE CACHE MODULE .....	11
RESOURCE STATISTICS MODULE .....	12
SERVER ATTRIBUTE MODULE .....	13
SERVER MANAGER MODULE .....	14
TRIGGER MODULE .....	14
USER MODULE .....	15
VCS MODULE .....	15
APPENDIX A: .....	17

## DOCUMENT CONTROL

### Version History

Version	Date	Author	Description
1.0	8/10/2012	Mike Tinius	Initial revision
3.0	8/21/2013	Mike Tinius	Updated docs to Cisco format
3.1	1/31/2014	Mike Tinius	Added updateResourceCacheEnabled for ResourceCache Module.

### Related Documents

Document	File Name	Author

### Composite Products Referenced

Composite Product Name	Version
Composite Information Server	5.1, 5.2, 6.0, 6.1, 6.2

---

## ARCHIVE MODULE

- a. Author(s): Mike Tinius
- b. *Name*: ArchiveModule
- c. *Description*: Performs various CIS archiving operations with CAR (Composite Archive) files such as backup, restore, import and export.
- d. *XML Schema Root Node*: ArchiveModule
- e. *Action*: Import
  - i. Phase Supported: phase 1
  - ii. Type: Script
  - iii. Framework Script: ExecuteCisScript
  - iv. Name: pkg\_import
  - v. Public Interface: command line options
- f. *Action*: Export
  - i. Phase Supported: phase 1
  - ii. Type: Script
  - iii. Framework Script: ExecuteCisScript
  - iv. Name: pkg\_export
  - v. Public Interface: command line options
- g. *Action*: Backup
  - i. Phase Supported: phase 1
  - ii. Type: Script
  - iii. Name: backup\_export
  - iv. Public Interface: command line options
- h. *Action*: Restore
  - i. Phase Supported: phase 2
  - ii. Type: Script
  - iii. Name: backup\_import
  - iv. Public Interface: command line options

## CONNECTOR MODULE

- a. Author(s): TBA
- b. *Name*: ConnectorModule
- c. *Description*: Performs various actions with CIS connector configuration such as create, update and delete connectors.
- d. *XML Schema Root Node*: ConnectorModule
- e. *Action*: Create or Update Connectors
  - v. Phase Supported: phase 2
  - vi. Type: Java
  - vii. Framework Script: ExecuteAction
  - viii. Name: *createOrUpdateConnectors*
  - ix. Public Interface: **public void** *createOrUpdateConnectors* (String serverId, String connectorIds, String pathToConnectorsXML, String pathToServersXML); **throws** CompositeException;
  - x. CIS Web Service Methods:

1. getConnectors()
2. createConnector()
3. updateConnector()

**f. Action: Delete Connectors**

- xi. Phase Supported: phase 2
- xii. Type: Java
- xiii. Framework Script: ExecuteAction
- xiv. Name: *deleteConnectors*
- xv. Public Interface: **public void** *deleteConnectors* (String serverId, String connectorIds, String pathToConnectorsXML, String pathToServersXML); **throws** CompositeException;
- xvi. CIS Web Service Methods:
  1. destroyConnector()

**g. Action: Generate Connector XML**

- xvii. Phase Supported: phase 1
- xviii. Type: Java
- xix. Framework Script: ExecuteAction
- xx. Name: *generateConnectorsXML*
- xxi. Public Interface: **public void** *generateConnectorsXML* (String serverId, String startPath, String pathToConnectorsXML, String pathToServersXML) **throws** CompositeException;
- xxii. CIS Web Service Methods:
  1. getConnectors()

## DATA SOURCE MODULE

a. Author(s): Ravi Thummalapenta

b. Name: DataSourceModule

c. *Description*: Performs various actions with a CIS data source configuration such as updating data sources, enabling, and reintrospecting.

d. *XML Schema Root Node*: DataSourceModule

**e. Action: Update Data Sources**

- xxiii. Phase Supported: phase 1
- xxiv. Type: Java
- xxv. Framework Script: ExecuteAction
- xxvi. Name: *updateDataSources*
- xxvii. Public Interface: **public void** *updateDataSources* (String serverId, String dataSourceIds, String pathToDataSourceXML, String pathToServersXML);
- xxviii. CIS Web Service Methods:
  1. updateDataSource()

**f. Action: EnableDataSources**

- xxix. Phase Supported: phase 1
- xxx. Type: Java
- xxxi. Framework Script: ExecuteAction
- xxxii. Name: *enableDataSources*
- xxxiii. Public Interface: **public void** *enableDataSources* (String serverId, String dataSourceIds, String pathToDataSourceXML, String pathToServersXML);
- xxxiv. CIS Web Service Methods:
  1. updateResourceEnabled ()

**g. Action: Re-introspect Data Sources**

- xxxv. Phase Supported: phase 1
- xxxvi. Type: Java
- xxxvii. Framework Script: ExecuteAction
- xxxviii. Name: reIntrospectDataSources
- xxxix. Public Interface: **public void** reIntrospectDataSources (String serverId, String dataSrcelds, String pathToDataSourceXML, String pathToServersXML);
- xl. CIS Web Service Methods:
  - 1. reintrospectDataSource ()

**h. Action: Generate Data Sources XML**

- xli. Phase Supported: phase 1
- xlii. Type: Java
- xliii. Framework Script: ExecuteAction
- xliv. Name: generateDataSourcesXML
- xliv. Public Interface: **public void** generateDataSourcesXML(String serverId, String startPath, String pathToDataSourceXML, String pathToServersXML) **throws** CompositeException;
- xlvi. CIS Web Service Methods:
  - 1. getResource ()

## **DOMAIN MODULE**

**a. Author(s): Ravi Thummalapenta**

**b. Name: DomainModule**

**c. Description: Performs various actions with CIS domain configuration such as creating, updating or deleting domains.**

**d. XML Schema Root Node: DomainModule**

**e. Action: Create or Update Domains**

- xlvii. Phase Supported: phase 2
- xlviii. Type: Java
- xliv. Framework Script: ExecuteAction
  - i. Name: createOrUpdateDomains
  - ii. Public Interface: **public void** createOrUpdateDomains (String serverId, String domainIds, String pathToDomainsXML, String pathToServersXML) **throws** CompositeException;
  - iii. CIS Web Service Methods:
    - 1. getDomains()
    - 2. createDomain()
    - 3. updateDomain()

**f. Action: Delete Domains**

- liiii. Phase Supported: phase 2
- liv. Type: Java
- lv. Framework Script: ExecuteAction
- lvi. Name: deleteDomains
- lvii. Public Interface: **public void** deleteDomains (String serverId, String groupIds, String pathToGroupsXML, String pathToServersXML) **throws** CompositeException;
- lviii. CIS Web Service Methods:
  - 1. destroyDomain()

**g. Action: Generate Domains XML**

- lix. Phase Supported: phase 2
- lx. Type: Java
- lxi. Framework Script: ExecuteAction
- lxii. Name: generateDomainsXML
- lxiii. Public Interface: **public void** generateDomainsXML(String serverId, String startPath, String pathToDomainsXML, String pathToServersXML) **throws** CompositeException;
- lxiv. CIS Web Service Methods:
  - 1. getDomains()

## **GROUP MODULE**

- a. Author(s): Ravi Thummalapenta
- b. *Name*: GroupModule
- c. *Description*: Performs various actions with CIS group configuration such as creating, updating or deleting groups.
- d. *XML Schema Root Node*: GroupModule
- e. *Action*: Create or Update Groups
  - lxv. Phase Supported: phase 1
  - lxvi. Type: Java
  - lxvii. Framework Script: ExecuteAction
  - lxviii. Name: createOrUpdateGroups
  - lxix. Public Interface: **public void** createOrUpdateGroups (String serverId, String groupIds, String pathToGroupsXML, String pathToServersXML) **throws** CompositeException;
  - lxx. CIS Web Service Methods:
    - 1. getGroups()
    - 2. createGroup()
    - 3. updateGroup()
- f. *Action*: Delete Groups
  - lxxi. Phase Supported: phase 1
  - lxxii. Type: Java
  - lxxiii. Framework Script: ExecuteAction
  - lxxiv. Name: deleteGroups
  - lxxv. Public Interface: **public void** deleteGroups (String serverId, String groupIds, String pathToGroupsXML, String pathToServersXML) **throws** CompositeException;
  - lxxvi. CIS Web Service Methods:
    - 1. destroyGroup()
- g. *Action*: Generate Group XML
  - lxxvii. Phase Supported: phase 1
  - lxxviii. Type: Java
  - lxxix. Framework Script: ExecuteAction
  - lxxx. Name: generateGroupsXML
  - lxxxi. Public Interface: **public void** generateGroupsXML (String serverId, String startPath, String pathToGroupsXML, String pathToServersXML) **throws** CompositeException;
  - lxxxii. CIS Web Service Methods:
    - 1. getResource ()

## PRIVILEGE MODULE

- a. Author(s): Ravi Thummalapenta
- b. *Name*: PrivilegeModule
- c. *Description*: Performs various actions with CIS resource configuration such as updating resource privileges.
- d. *XML Schema Root Node*: PrivilegeModule
- e. *Action*: Update Resource Privileges
  - lxxxiii. Phase Supported: phase 1
  - lxxxiv. Type: Java
  - lxxxv. Framework Script: ExecuteAction
  - lxxxvi. Name: *updateResourcePrivileges*
  - lxxxvii. Public Interface: **public void** *updateResourcePrivileges* (String serverId, String privilegels, String pathToPrivilegesXML, String pathToServersXML); **throws** CompositeException;
  - lxxxviii. CIS Web Service Methods:
    - 1. *getResourcePrivileges()*
    - 2. *updateResourcePrivileges()*
    - 3. *changeResourceOwner()*
- f. *Action*: Generate Privilege XML
  - lxxxix. Phase Supported: phase 1
  - xc. Type: Java
  - xc. Framework Script: ExecuteAction
  - xcii. Name: *generatePrivilegesXML*
  - xciii. Public Interface: **public void** *generatePrivilegesXML* (String serverId, String startPath, String pathToPrivilegesXML, String pathToServersXML) **throws** CompositeException;
  - xciv. CIS Web Service Methods:
    - 1. *getResourcePrivileges()*

## REBIND MODULE

- a. Author(s): Jerry Joplin
- b. *Name*: RebindModule
- c. *Description*: Performs various actions with CIS resource rebind such as rebind a specific resource, rebind all views in a folder, and rebind all procedures in a folder.
- d. *XML Schema Root Node*: RebindModule
- e. *Action*: Rebind Resources
  - xcv. Phase Supported: phase 1
  - xcvi. Type: Java
  - xcvii. Framework Script: ExecuteAction
  - xcviii. Name: *rebindResources*
  - xcix. Public Interface: **public void** *rebindResources* (String serverId, String rebindIds, String pathToRebindXML, String pathToServersXML); **throws** CompositeException;
  - c. CIS Web Service Methods:
    - 1. *rebindResources()*
- f. *Action*: Rebind Resource Views
  - ci. Phase Supported: phase 1



- cii. Type: Java
  - ciii. Framework Script: ExecuteAction
  - civ. Name: *rebindResourceViews*
  - cv. Public Interface: **public void** *rebindResourceViews* (String serverId, String rebindIds, String pathToRebindXML, String pathToServersXML); **throws** CompositeException;
  - cvi. CIS Web Service Methods:
    1. getResources()
    2. getScriptText()
    3. updateSqlTable()
- g. Action: Rebind Resource Procedures**
- cvii. Phase Supported: phase 1
  - cviii. Type: Java
  - cix. Framework Script: ExecuteAction
  - cx. Name: *rebindResourceProcedures*
  - cx. Public Interface: **public void** *rebindResourceProcedures* (String serverId, String rebindIds, String pathToRebindXML, String pathToServersXML); **throws** CompositeException;
  - cxii. CIS Web Service Methods:
    1. getResources()
    2. getScriptText()
    3. updateSqlScript()
- h. Action: Generate Rebind XML**
- cxiii. Phase Supported: phase 1
  - cxiv. Type: Java
  - cxv. Framework Script: ExecuteAction
  - cxvi. Name: *generateRebindXML*
  - cxvii. Public Interface: **public void** *generateRebindXML* (String serverId, String startPath, String pathToRebindXML, String pathToServersXML) **throws** CompositeException;
  - cxviii. CIS Web Service Methods:
    1. getUsedResources() – get the list of resources that this resources depends on.

## REGRESSION TEST MODULE

- a. Author(s): Sergei Sternin and Gordon Rose
- b. Name: RegressionTestModule
- c. Description: Performs various actions with CIS regression testing configuration such performing a regression test action.
- d. XML Schema Root Node: RegressionTestModule
- e. Action: Perform Regression Test
  - cxix. Phase Supported: phase 2
  - cxx. Type: Script
  - cxxi. Framework Script: ExecuteCisScript
  - cxxii. Name: *pubtest*
  - cxxiii. Public Interface: command line options
  - cxxiv. CIS Web Service Methods:
- f. Action: Generate Regression Test XML
  - cxxv. Phase Supported: phase 1
  - cxxvi. Type: Java

- cxxvii. Framework Script: ExecuteAction
- cxxviii. Name: generateRegressionTestXML
- cxxix. Public Interface: **public void** generateRegressionTestXML (String serverId, String startPath, String pathToRegressionTestXML, String pathToServersXML) **throws** CompositeException;
- cxxx. CIS Web Service Methods:
  - 1. getResources() – get a list of resources from a CIS folder.

## **RESOURCE MODULE**

- a. Author(s): Ravi Thummalapenta
- b. *Name*: ResourceModule
- c. *Description*: Performs various actions with CIS resource configuration such as deleting, renaming and checking for existence.
- d. *XML Schema Root Node*: ResourceModule
- e. *Action*: Do Resources Exist
  - cxxxi. Phase Supported: phase 1
  - cxxxii. Type: Java
  - cxxxiii. Framework Script: ExecuteAction
  - cxxxiv. Name: *doResourcesExist*
  - cxxxv. Public Interface: **public void** doResourcesExist(String serverId, String resourceIds, String pathToResourceXML, String pathToServersXML) **throws** CompositeException;
  - cxxxvi. CIS Web Service Methods:
    - 1. resourceExists()
- f. *Action*: Delete Resources
  - cxxxvii. Phase Supported: phase 1
  - cxxxviii. Type: Java
  - cxxxix. Framework Script: ExecuteAction
    - cxl. Name: *deleteResources*
    - cxli. Public Interface: **public void** deleteResources (String serverId, String resourceIds, String pathToResourcesXML, String pathToServersXML) **throws** CompositeException;
    - cxlii. CIS Web Service Methods:
      - 1. destroyResource()
- g. *Action*: Rename Resources
  - cxliii. Phase Supported: phase 2
  - cxliv. Type: Java
  - cxlv. Framework Script: ExecuteAction
  - cxlvi. Name: *renameResource*
  - cxlvii. Public Interface: **public void** renameResources (String serverId, String resourceIds, String pathToResourcesXML, String pathToServersXML) **throws** CompositeException;
  - cxlviii. CIS Web Service Methods:
    - 1. renameResource()
- h. *Action*: Generate Resource XML
  - cxlix. Phase Supported: phase 1
  - cli. Type: Java
  - cli. Framework Script: ExecuteAction
  - cli. Name: getResourcesFromPath

- cliii. Public Interface: **public void** getResourcesFromPath (String serverId, String startPath, String pathToResourceXML, String pathToServersXML) **throws** CompositeException;
- cliv. CIS Web Service Methods:
  - 1. getResources() – get the list of resources that this resources depends on.

## **RESOURCE CACHE MODULE**

- a. Author(s): TBA
- b. *Name*: ResourceCacheModule
- c. *Description*: Performs various actions with CIS resource cache configuration such as updating and refreshing the cache.
- d. *XML Schema Root Node*: ResourceCacheModule
- e. *Action*: Update Resource Cache
  - clv. Phase Supported: phase 2
  - clvi. Type: Java
  - clvii. Framework Script: ExecuteAction
  - clviii. Name: *updateResourceCache*
  - clix. Public Interface: **public void** *updateResourceCache* (String serverId, String resourceIds, String pathToResourceCacheXML, String pathToServersXML); **throws** CompositeException;
  - clx. CIS Web Service Methods:
    - 1. updateResourceCacheConfig()
- f. *Action*: Refresh Resource Cache
  - clxi. Phase Supported: phase 2
  - clxii. Type: Java
  - clxiii. Framework Script: ExecuteAction
  - clxiv. Name: *refreshResourceCache*
  - clxv. Public Interface: **public void** *refreshResourceCache* (String serverId, String resourceIds, String pathToResourceCacheXML, String pathToServersXML); **throws** CompositeException;
  - clxvi. CIS Web Service Methods:
    - 1. *refreshResourceCache*()
- g. *Action*: Clear Resource Cache
  - clxvii. Phase Supported: phase 2
  - clxviii. Type: Java
  - clxix. Framework Script: ExecuteAction
  - clxx. Name: *clearResourceCache*
  - clxxi. Public Interface: **public void** *clearResourceCache* (String serverId, String resourceIds, String pathToResourceCacheXML, String pathToServersXML); **throws** CompositeException;
  - clxxii. CIS Web Service Methods:
    - 1. *clearResourceCache*()
- h. *Action*: Update Resource Cache Enabled
  - clxxiii. Phase Supported: phase 3
  - clxxiv. Type: Java
  - clxxv. Framework Script: ExecuteAction
  - clxxvi. Name: *updateResourceCacheEnabled*
  - clxxvii. Public Interface: **public void** *updateResourceCacheEnabled*(String serverId, String resourceIds, String pathToResourceCacheXML, String pathToServersXML); **throws** CompositeException;

clxxviii. CIS Web Service Methods:

1. *updateResourceCacheEnabled()*

*i. Action: Generate Resource Cache XML*

clxxix. Phase Supported: phase 1

clxxx. Type: Java

clxxxi. Framework Script: ExecuteAction

clxxxii. Name: *getResourceCachesXML*

clxxxiii. Public Interface: **public void** *getResourceCachesXML* (String serverId, String startPath, String pathToResourceCacheXML, String pathToServersXML) **throws** CompositeException;

clxxxiv. CIS Web Service Methods:

1. *getResources()* – get the list of resources that this resources depends on.
2. *getResourceCacheConfig()* – Get the cache configuration for a resource.

## RESOURCE STATISTICS MODULE

a. Author(s): TBA

b. *Name*: ResourceStatisticsModule

c. *Description*: Performs various actions with CIS resource statistics configuration such as updating, clearing or refreshing resource statistics.

d. *XML Schema Root Node*: ResourceStatisticsModule

*e. Action: Update Resource Statistics*

clxxxv. Phase Supported: phase 2

clxxxvi. Type: Java

clxxxvii. Framework Script: ExecuteAction

clxxxviii. Name: *updateResourceStatistics*

clxxxix. Public Interface: **public void** *updateResourceStatistics* (String serverId, String resourceIds, String pathToResourceStatsXML, String pathToServersXML); **throws** CompositeException;

cxc. CIS Web Service Methods:

1. *updateResourceStatisticsConfig()*

*f. Action: Clear Resource Statistics*

cxci. Phase Supported: phase 2

cxcii. Type: Java

cxci. Framework Script: ExecuteAction

cxciv. Name: *clearResourceStatistics*

cxcv. Public Interface: **public void** *clearResourceStatistics* (String serverId, String resourceIds, String pathToResourceStatsXML, String pathToServersXML); **throws** CompositeException;

cxcvi. CIS Web Service Methods:

1. *clearResourceStatistics()*

*g. Action: Refresh Resource Statistics*

cxcvii. Phase Supported: phase 2

cxcviii. Type: Java

cxcix. Framework Script: ExecuteAction

cc. Name: *refreshResourceStatistics*

cci. Public Interface: **public void** *refreshResourceStatistics* (String serverId, String resourceIds, String pathToResourceStatsXML, String pathToServersXML); **throws** CompositeException;

ccii. CIS Web Service Methods:

1. *refreshResourceStatistics()*

*h. Action: Cancel Resource Statistics*

- cciii. Phase Supported: phase 2
- cciv. Type: Java
- ccv. Framework Script: ExecuteAction
- ccvi. Name: `cancelResourceStatistics`
- ccvii. Public Interface: **public void** `cancelResourceStatistics` (String serverId, String resourceIds, String pathToResourceStatsXML, String pathToServersXML); **throws** CompositeException;
- ccviii. CIS Web Service Methods:
  - 1. `cancelResourceStatistics()`

*i. Action: Generate Resource Statistics XML*

- ccix. Phase Supported: phase 1
- ccx. Type: Java
- ccxi. Framework Script: ExecuteAction
- ccxii. Name: `getResourceStatisticsXML`
- ccxiii. Public Interface: **public void** `getResourceStatisticsXML` (String serverId, String startPath, String pathToResourceStatisticsXML, String pathToServersXML) **throws** CompositeException;
- ccxiv. CIS Web Service Methods:
  - 1. `getResources()` – get the list of resources that this resources depends on.
  - 2. `getResourceStatisticsConfig()` – Get the cache configuration for a resource.

## SERVER ATTRIBUTE MODULE

a. Author(s): TBA

b. Name: ServerAttrModule

c. Description: Performs various actions with CIS server attribute configuration such as updating server attributes.

d. XML Schema Root Node: ServerAttrModule

e. Action: Update Server Attributes

- ccxv. Phase Supported: phase 1
- ccxvi. Type: Java
- ccxvii. Framework Script: ExecuteAction
- ccxviii. Name: `updateServerAttributes`
- ccxix. Public Interface: **public void** `updateServerAttributes` (String serverId, String serverAttrIds, String pathToServerAttributesXML, String pathToServersXML); **throws** CompositeException;
- ccxx. CIS Web Service Methods:
  - 1. `updateServerAttributes()`

f. Action: Generate Server Attributes XML

- ccxxi. Phase Supported: phase 1
- ccxxii. Type: Java
- ccxxiii. Framework Script: ExecuteAction
- ccxxiv. Name: `generateServerAttributesXML`
- ccxxv. Public Interface: **public void** `generateServerAttributesXML` (String serverId, String startPath, String pathToServerAttributesXML, String pathToServersXML) **throws** CompositeException;
- ccxxvi. CIS Web Service Methods:
  - 1. `getServerAttributesDefChildren()`

## SERVER MANAGER MODULE

- a. Author(s): TBA
- b. *Name*: ServerModule
- c. *Description*: Performs various actions with CIS server such as starting, restarting, and shutting down.
- d. *XML Schema Root Node*: N/A
- e. *Action*: Action
  - ccxxvii. Phase Supported: phase 2
  - ccxxviii. Type: Java or Script
  - ccxxix. Framework Script: ExecuteAction or ExecuteCisScript
  - ccxxx. Name: *restartCis*
  - ccxxxi. Public Interface: **public void** *restartCis* (String serverId, String moduleIds, String pathToModuleXML, String pathToServersXML); **throws** CompositeException;
  - ccxxxii. CIS Web Service Methods:
    - 1. performServerAction()

## TRIGGER MODULE

- a. Author(s): Kevin O'Brien
- b. *Name*: TriggerModule
- c. *Description*: Performs various actions with CIS trigger configuration such as updating triggers or deleting triggers.
- d. *XML Schema Root Node*: TriggerModule
- e. *Action*: Update Trigger
  - ccxxxiii. Phase Supported: phase 2
  - ccxxxiv. Type: Java
  - ccxxxv. Framework Script: ExecuteAction
  - ccxxxvi. Name: *updateTriggers*
  - ccxxxvii. Public Interface: **public void** *updateTriggers* (String serverId, String triggerIds, String pathToTriggersXML, String pathToServersXML); **throws** CompositeException;
  - ccxxxviii. CIS Web Service Methods:
    - 1. updateTrigger()
- f. *Action*: Delete Trigger
  - ccxxxix. Phase Supported: phase 2
  - ccxl. Type: Java
  - ccxli. Framework Script: ExecuteAction
  - ccxlii. Name: *deleteTriggers*
  - ccxlili. Public Interface: **public void** *deleteTriggers* (String serverId, String triggerIds, String pathToTriggersXML, String pathToServersXML); **throws** CompositeException;
  - ccxliv. CIS Web Service Methods:
    - 1. Invokes ResourceModule.*deleteResource*()
- g. *Action*: Generate Trigger XML
  - ccxlv. Phase Supported: phase 1
  - ccxlv. Type: Java
  - ccxlvii. Framework Script: ExecuteAction

- ccxlvi. Name: generateTriggersXML
- ccxlvii. Public Interface: **public void** generateTriggersXML (String serverId, String startPath, String pathToTriggersXML, String pathToServersXML) **throws** CompositeException;
- ccxlviii. CIS Web Service Methods:
  - 1. getResource()

## USER MODULE

- a. *Name:* UserModule
- b. *Description:* Performs various actions with CIS user configuration such as creating, updating or deleting users.
- c. *XML Schema Root Node:* UserModule
- d. *Action:* Create or Update Users
  - ccli. Phase Supported: phase 1
  - cclii. Type: Java
  - ccliii. Framework Script: ExecuteAction
  - ccliv. Name: createOrUpdateUsers
  - cclv. Public Interface: **public void** createOrUpdateUsers (String serverId, String userIds, String pathToUsersXML, String pathToServersXML) **throws** CompositeException;
  - cclvi. CIS Web Service Methods:
    - 1. getUsers()
    - 2. createUser()
    - 3. updateUser()
- e. *Action:* Delete Users
  - cclvii. Phase Supported: phase 1
  - cclviii. Type: Java
  - cclix. Framework Script: ExecuteAction
  - cclx. Name: deleteUsers
  - cclxi. Public Interface: **public void** deleteUsers (String serverId, String userIds, String pathToUsersXML, String pathToServersXML) **throws** CompositeException;
  - cclxii. CIS Web Service Methods:
    - 1. destroyUser()
- f. *Action:* Generate User XML
  - cclxiii. Phase Supported: phase 1
  - cclxiv. Type: Java
  - cclxv. Framework Script: ExecuteAction
  - cclxvi. Name: generateUsersXML
  - cclxvii. Public Interface: **public void** generateUsersXML (String serverId, String startPath, String pathToUsersXML, String pathToServersXML) **throws** CompositeException;
  - cclxviii. CIS Web Service Methods:
    - 1. getUsers()

## VCS MODULE

- a. *Author(s):* Mike Tinius
- b. *Name:* VCSModule

---

c. *Description*: Performs version control system check-out from the VCS system based on identified resource paths and construct a CAR file which can be used for importing into a target CIS environment.

d. *XML Schema Root Node*: VCSModule

e. *Action*: Action

cclxix. Phase Supported: phase 1

cclxx. Type: CisProcedure

cclxxi. Framework Script: ExecuteVCS

cclxxii. Name: *checkOut*

cclxxiii. Public Interface: **public void** *checkOut* (String serverId, String moduleIds, String pathToVCSXML, String pathToServersXML); **throws** CompositeException;

cclxxiv. CIS Web Service Methods:



## APPENDIX A:

Use the Any Module template to create additional entries in this definition document.

### 1. Any Module

- a. Author(s): TBA
- b. *Name*: AnyModule
- c. *Description*: Performs various actions with CIS server attribute configuration such as updating server attributes.
- d. *XML Schema Root Node*: AnyModule
- e. *Action*: Action
  - i. Phase Supported: phase 1
  - ii. Type: Java | Script | CisProcedure
  - iii. Framework Script: ExecuteAction | ExecuteCisScript | ExecuteProcedure
  - iv. Name: *nameOfAction*
  - v. Public Interface: **public void** *nameOfAction* (String serverId, String moduleIds, String pathToModuleXML, String pathToServersXML); **throws** CompositeException;
  - vi. CIS Web Service Methods:
    1. Method1
    2. Method2
- f. *Action*: Generate Module XML
  - i. Phase Supported: phase 1
  - ii. Type: Java
  - iii. Framework Script: ExecuteAction
  - iv. Name: generateModulesXML
  - v. Public Interface: **public void** generateModulesXML (String serverId, String startPath, String pathToModulesXML, String pathToServersXML) **throws** CompositeException;
  - vi. CIS Web Service Methods:
    3. getMethod()

---

## ABOUT COMPOSITE SOFTWARE

Composite Software, Inc. ® is the only company that focuses solely on data virtualization.

Global organizations faced with disparate, complex data environments, including ten of the top 20 banks, six of the top ten pharmaceutical companies, four of the top five energy firms, major media and technology organizations as well as government agencies, have chosen Composite's proven data virtualization platform to fulfill critical information needs, faster with fewer resources.

Scaling from project to enterprise, Composite's middleware enables data federation, data warehouse extension, enterprise data sharing, real-time and cloud computing data integration.

Founded in 2002, Composite Software is a privately held, venture-funded corporation based in Silicon Valley. For more information, please visit [www.compositesw.com](http://www.compositesw.com).



---

**Americas Headquarters**  
Cisco Systems, Inc.  
San Jose, CA

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
Singapore

**Europe Headquarters**  
Cisco Systems International BV Amsterdam,  
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Printed in USA

CXX-XXXXXX-XX 10/11