



LiteScape Unified Communications Applications:

LiteScape OnCast:
Unified Communication
Synchronization Service



Time to make the **Connection**

OnCast Synchronization

Problem

- **Organizations** maintain personal and global messaging information in Unified communications systems
 - These systems are often **Distributed, Dissimilar** in Format (Schema) and Type (access protocol)
 - **On the other hand**, Collaboration products require specific “Schemas”, “Data formats” to use corporate unified communication systems:
 - Customer’s **Schema** often is **not the same** across various Collaboration products
 - Customer’s information **doesn’t match** the collaboration systems required ‘format’ (e.g. phone #)
- This results in **tedious and manual/double/error-prone provisioning**
- This also results in customers having to risk destabilizing their systems by having to **change existing UC system schemas and formats** or **forcing fork-lift and expensive upgrades** of existing systems to provide homogeneity within their UC infrastructure

Solution

A solution that provides the following features:

- Cross domain directory
 - Synchronization
 - Data Transformation
- Out of the box support for popular UC systems

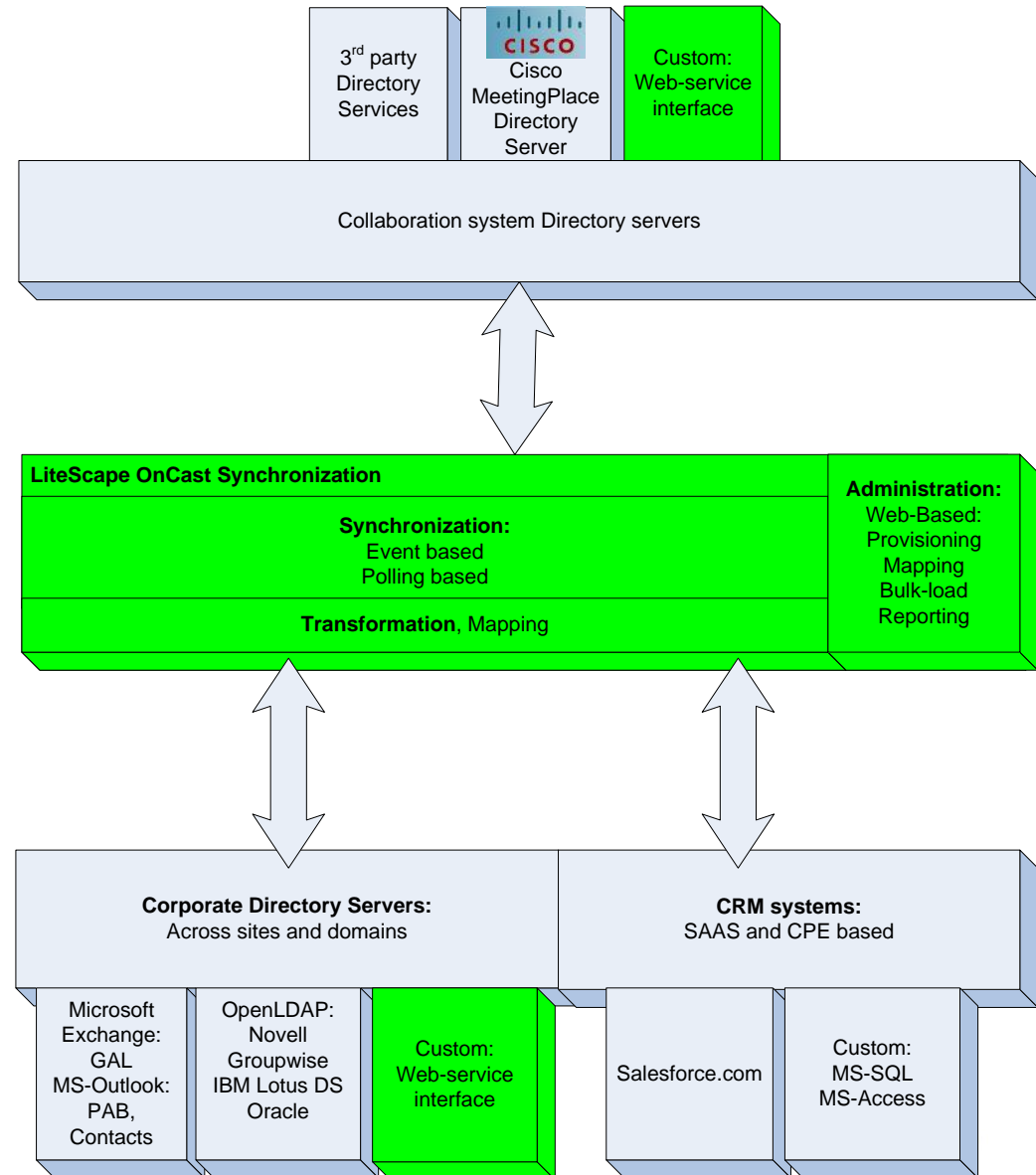


LiteScape OnCast
Synchronization

OnCast Synchronization: Directory Synchronization

OnCast Synchronization:

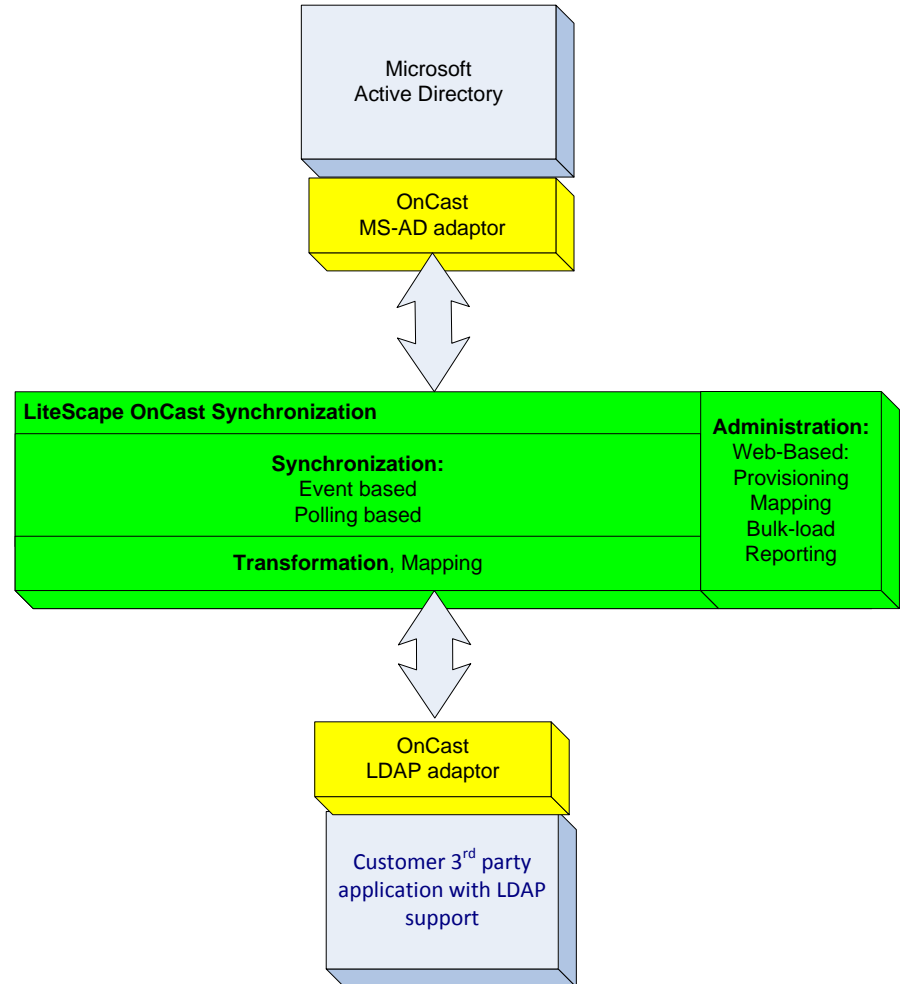
- Cross domain supported:
 - Synchronization
 - Data Transformation
- Supports popular collaboration systems



OnCast Synchronization: LDAP based

OnCast Synchronization:

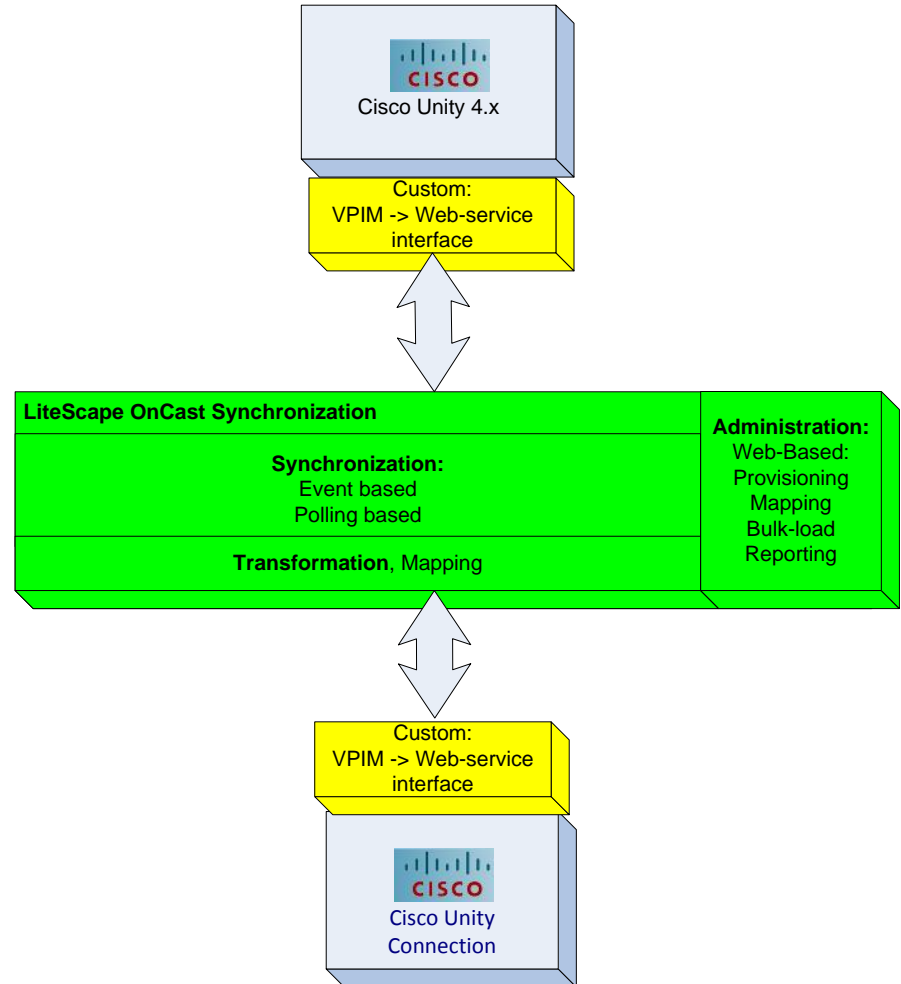
- MS-AD -> LDAP based synchronization
- Transformation (Mapping) update from Dir-1 to Dir-2
- Avoid any schema changes



OnCast Synchronization: Custom adaptor

OnCast Synchronization:

- Sample (VPIM Web-service adaptor for Unity 4.x)
- Transformation (Mapping) update from Unity 4.x to Unity Connection
- Enables **Cisco Unity** to synchronize messages with **Cisco Unity Connection** without the need for any “schema” changes



OnCast Synchronization for Cisco: Cross domain Synchronization

BENEFITS

- “Must have” feature: synchronize across domains/sites/clusters for mid/large customers
- Eliminates the need for Multi-Step, Redundant Provisioning (Adds, Moves and Changes)
 - Reduce chance of provisioning errors
 - Enables corporate password-policy enforcement

WHY LITESCAPE?

- Unique in providing broad synchronization support of existing most-popular directory servers, full support of various Cisco Unified Communication products
- “Loosely coupled integration” using web-services → Requires no changes to customer’s existing schema
- Single point of entry for synchronization management
- Existing and reference-able customer traction

OnCast Synchronization: Transformation & Mapping

- Web-based administration to configure Mapping and Transformation algorithm
- Customizable pre-built mapping tables shipped with product out-of-the-box

The screenshot displays the LiteScape web administration interface. At the top, the LiteScape logo is visible, followed by a navigation bar with links for Servers, Application, Policies, Tools, Help, and MAP Web-admin. Below the navigation bar is a 'Save' button. The main content area is titled 'Directory Fields:' and contains a tree view on the left and a table on the right. The tree view shows a hierarchy of 'Servers' with 'Default MSAD Fields' selected. The table on the right lists various directory fields with their corresponding attributes and categories.

Server	Caption	Attribute	Category	Command
MSAD	LSDisplayName	cn	Users and Groups	Edit Del
MSAD	LSDisplayPhone	telephonenumber	Users Only	Edit Del
MSAD	LSExtension	telephonenumber	Users Only	Edit Del
MSAD	LSAlternativePhone	ipPhone	Users Only	Edit Del
MSAD	LSPBXProvider	extensionattribute10	Users Only	Edit Del
MSAD	LSSearchableAttrName	flags	Users Only	Edit Del
MSAD	LSTrustedPhone	employeeType	Users Only	Edit Del
MSAD	LSTrustedPIN	employeeID	Users Only	Edit Del
MSAD	LSUniqueIdentifier	distinguishedName	Users and Groups	Edit Del
MSAD	LSEmailAccount	mailnickname	Users and Groups	Edit Del
MSAD	LSEmailAddress	mail	Users and Groups	Edit Del
MSAD	LSPolicyDisplayName	displayName	Users Only	Edit Del
MSAD	LSPolicyOwner	owner	Users Only	Edit Del
MSAD	LSPolicyAssistant	assistant	Users Only	Edit Del
MSAD	LSPolicyInfo	info	Users Only	Edit Del
MSAD	LSDirKey	telephoneNumber	Users Only	Edit Del
MSAD	First	givenname	Users Only	Edit Del
MSAD	Last	sn	Users Only	Edit Del
MSAD	Display	displayName	Users and Groups	Edit Del

OnCast Synchronization: Unified Synchronization

- Full and incremental synchronization are supported, with independent frequencies
- One-way synchronization supported
- Support for Global, Personal and custom list synchronization

LiteScape

The screenshot displays the LiteScape web interface. At the top, there are tabs for 'Servers', 'Application', 'Policies', and 'Tools'. A dropdown menu is open under 'Servers', showing options like 'Enterprise Servers', 'IP-PBX (Providers)', 'OnCast Locations', 'Secure Profile Manager', and 'Advanced Settings'. Below this, there is a 'Directory Server Information' table with columns for 'Caption', 'Server Type', 'Group', and 'Address'. The table lists several servers: AD (MS Active Directory, Global, grp1, 10.11.0.2), PABServer (MS Exchange, Personal, grp2, 10.11.0.7), Salesforce (salesforce (GAL), Global, grp3), and WebEx Directory (MS Active Directory, Global, grp8). Below the table is a 'Cache [Add]' section. The 'Synchronization server group' section is highlighted with a red box. It contains a table with columns for 'Source', 'Destination', 'MSAdamInstanceRoot', and 'Command'. The 'Source' is set to 'AD' and the 'Destination' is set to 'WebEx Directory'. Below this, there are two rows for update intervals: 'Partial Update Interval' set to '10 Minutes' and 'Full Update Interval' set to '30 Minutes'. The 'Command' field is empty, and there are 'OK' and 'Cancel' buttons.

Caption	Server Type	Group	Address
AD	MS Active Directory	Global	grp1 10.11.0.2
PABServer	MS Exchange	Personal	grp2 10.11.0.7
SalesForce	salesforce (GAL)	Global	grp3
WebEx Directory	MS Active Directory	Global	grp8

Source	Destination	MSAdamInstanceRoot	Command
AD	WebEx Directory		OK Cancel

Partial Update Interval: 10 Minutes

Full Update Interval: 30 Minutes

OnCast Synchronization: Phone Number Translation

- Scriptable Phone number masking/transformation →
 - Enables for source-destination to maintain their 'numbering plans'

For example: 5 digit extensions (#####) are stored within the corporate directory. These numbers would have to be masked to 10 digit numbers when synchronized to the WebEx Directory server. Assuming the number area code and prefix are "650-29", the following mask would be used ("C" stands for Caching or synchronization) :

Mask: C|A6A5A0A-A2A9#####



Provider	PSTN Access	Mask	Command
All Providers	91	D #####	Edit Del
All Providers	9	D R6R5R0#####	Edit Del
All Providers	91	D #####	Edit Del
All Providers	91	D (#####)	Edit Del
All Providers	9	D 1#####	Edit Del
All Providers	9	D 1-#####	Edit Del
All Providers	9	D (1-#####)	Edit Del
All Providers	9	D +1#####	Edit Del
All Providers	9	D R+R1R6R5R0#####	Edit Del

OnCast Synchronization: Reporting and troubleshooting

- **Log/report export feature** →

Enables for relevant logs for specific time-frames to be exported, compressed and made available to review

The screenshot displays the OnCast web interface. At the top, there are buttons for "Save All" and "Export Logs". Below these is a "Log Setting Information" section with a checked checkbox. A table lists log services with columns for "Checked", "Service Description", "Size", "Unit", "Roll", and "Log Level".

Checked	Service Description	Size	Unit	Roll	Log Level
<input type="checkbox"/>					
<input checked="" type="checkbox"/>	LSSessionService, Version	1	MB	10	ALL
<input checked="" type="checkbox"/>	SyncWS, Version 4.3.5.1	1	MB	10	DEBUG
<input checked="" type="checkbox"/>		1	MB	10	DEBUG
<input checked="" type="checkbox"/>		10	MB	10	DEBUG
<input checked="" type="checkbox"/>		1	MB	10	DEBUG
<input checked="" type="checkbox"/>		1	MB	10	DEBUG
<input checked="" type="checkbox"/>	Directory Connection HeartBeat, Ver295.20029	10	MB	10	DEBUG

Overlaid on the interface are two windows:

- Server Configuration Server Configuration**: A dialog box with an "Export log files" button and two date input fields: "From: 1/1/2007" and "To: 12/1/2007".
- Select Date - Windows I...**: A calendar window showing January 2007. The date 1 is highlighted in red.

OnCast Synchronization: Deployment, Availability and packaging

Deployment:

- OnCast Synchronization installable package downloadable via the Internet
- Can run on shared servers (dedicated server not required)
- Server Requirements
 - MS-Windows 2003/2008
 - VM-Ware supported
- Requires no client side installation

Availability:

OnCast Synchronization is a built in component service of **OnCast Enterprise**

Pricing and distribution:

Contact info@litescape.com



LiteScape

Time to Make the Connection