

VOSS-4-UC

21.1 Release Overview

September 2021



Highlights

- New Look Admin Portal
- Improved User Management
- Number Inventory Improvements
- Enhanced Microsoft and MS Teams Management
- Pexip Conferencing Management
- Extended Webex Teams User and Workspace Management
- Modular Cluster Deployment (separate App and DB nodes)
- Automated License Audit Processing
- VOSS Phone Server
 - Low cost option to provide telephony to HCS deployments

Usability and Operational Enhancements

- Support for Provider and Customer level Site Defaults Doc
- Cisco Phone Status Export Tool
- Ability to reset/restart all phones at a Site in bulk
- Tool to associate / disassociate Users and Phones
- Improved Call Park and Directed Call Park management
- LBO Gateway provisioning workflows
- Overbuild support for Analog Gateways
- Quick Add SIP Gateways
- Multi-cluster FAC management
- Improved Media Termination Point, Transcoder and Conference resource management

Usability and Operational Enhancements

- Improved Transaction Log Management
- Support for Dynamic Menu Layouts

Platform

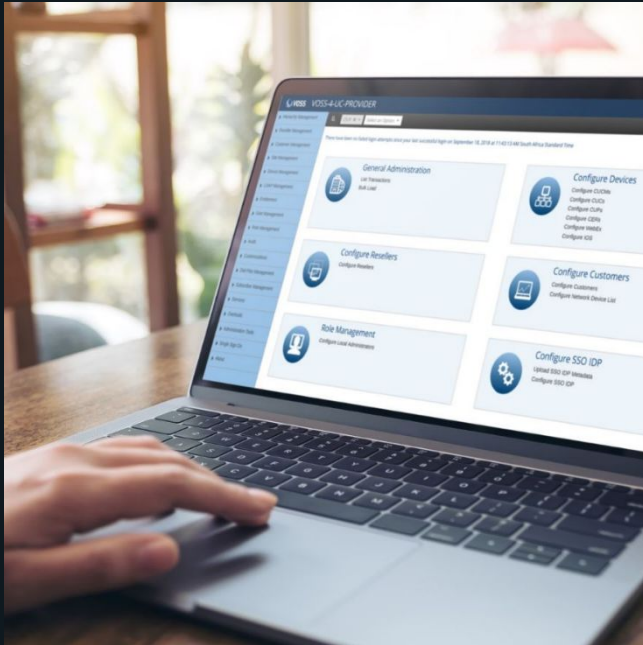
- Update of Platform OS to Ubuntu 18.04
- Additional System Monitoring Capabilities
 - Certificate Expiry
 - User lock/unlock
- Improved filtering of system audit logs
- Ability to stream all platform logs to remote syslog server
- Upgrade process improvements
 - Streamlined commands
 - Improved terminal output
 - Additional system checks to prevent failures during upgrade

Small Enhancements

- Added support for Cisco Unified CM 14.0, Unity Connection 14.0 and HCMF 12.6
- Added support for VG400 and VG450 Gateways
- Ability to customize list page column headings using Field Display Policies
- Ability to hide system-level transactions from the transaction log page
- Menu layout “diff” tool [**New Admin Portal**]
- Ability to view and edit the JSON representation of any form [**New Admin Portal**]

Business Admin Portal Enhancements

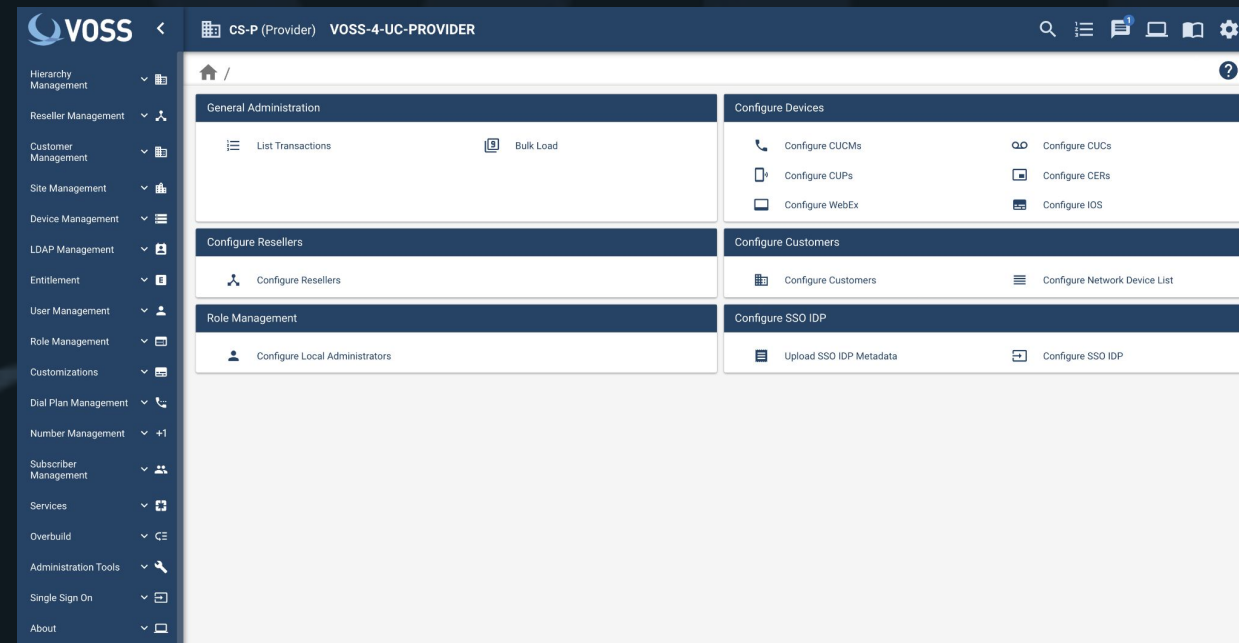
- Move Subscriber added as a built-in feature
- Subscriber page now shows all lines that can be clicked to navigate to that line page
- New Multi-vendor Subscriber option



Highlights

New Look Admin Portal

- Same look-and-feel as the Business Admin Portal
- Functionally equivalent to the current Admin GUI
 - Supports theming
 - Same menus and landing pages
 - No RBAC changes required!
- Access the new portal via
 - https://<IP_HOST>/portal/#/admin



Improved User Management

- Simplified the underlying modeling and workflows
- Support write-back to LDAP

BEFORE

🏠 / Users / aaron.burns

Base Custom Account Information Provisioning Status

Username * aaron.burns

Entitlement Profile 🔍

User Type CUCM Local

Password Show

Display Name

Directory URI

Role * NaplesSelfService 🔍

Language English 🔍

City

Country

Timezone

Employee Number

Jabber ID

Photo URL

NOW

🏠 / Users / abdul.bernat

User Details Account Information Contact Information Provisioning Status Links Custom

User Name * abdul.bernat

First Name Abdul

Last Name Bernat

Display Name

Title

Email Address abdul.bernat@kittycat.net

Password Show

Role * CAT-BristolSelfService 🔍

Entitlement Profile ["Catnip-Standard-EP"] 🔍

Language English 🔍

Set by Default Language

Exclude from Directory

Sync Source CUCM

User Type End User 🔍

Number Inventory Enhancements

- Internal Number Cooling and Reservation Support
 - Allows for the aging of numbers after service delete to prevent immediate reuse
 - Global Setting - Optional to enable/disable and define cooling period. Can be hierarchy specific (e.g on for one Customer off for another).
 - Automated cooling plus controls to manually move numbers into/out of Cooling and Reservation
 - Cooling and Reserved Numbers will not appear in dropdowns to be assigned
 - Numbers can be reserved/unreserved for a period of time

Global Settings

Number Inventory	Webex Teams	Pexip Conference	Email	Phones	User	Flow Through Provisioning
Enforce HCS Dialplan Rules	No					
Include the Number Inventory description in all number dropdowns	False					
Enable Number Inventory Cooling	Inherit					
Number Inventory Cooling Duration (Days)	Inherit					
	30					

Number Inventory

Rows: 0 - 200 / 3338

Show/Hide Columns: 16 columns selected

Internal Number	Status	Usage	E164Number	Release Date	Tag	Description	Reservation notes
+27887666008	Used	User				Alex Wilber	
+27887666009	Used	User				Pradeep Gupta	
+2788899464000	Used	User				Adele Vance	
+2788899464009	Used	User				Joni Sherman	
10000	Availab						
10007	Availab						

Cooling & Reservation

Action

Select action *

Cooling duration (days)

Filters

Include available numbers

Include cooling numbers

Contains

Show numbers at/below hierarchy

Select Numbers

Numbers

Available

Selected

+1234567;ext=98765

10000

10007

10001

10002

10003

10004

Number Inventory Enhancements

- New Number Range Management Tool allows Adds, Updates and Deletes on Bulk

The screenshot shows the 'Number Range Management' interface. It features a breadcrumb trail at the top: 'Home / Number Range Management'. Below this, there are several form fields and a dropdown menu. The 'Operation' dropdown is set to 'Add'. The 'Target Site' field contains a search filter 'Filter (contains)'. The 'ISP' dropdown is set to 'Add'. The 'Extension Length' dropdown is set to 'Modify'. The 'Site Location Code' dropdown is set to 'Delete'. The 'Starting Extension *' and 'Ending Extension *' fields are empty. The 'Status *' dropdown is set to 'Available'.

<input type="checkbox"/>	Internal Number	Status	Usage
	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>
<input type="checkbox"/>	#898977	Available	
<input type="checkbox"/>	#898989	Used-Utility	Directed_Call_Park
<input type="checkbox"/>	*565677	Used-Utility	Call_Park
<input type="checkbox"/>	82010000	Used	Device

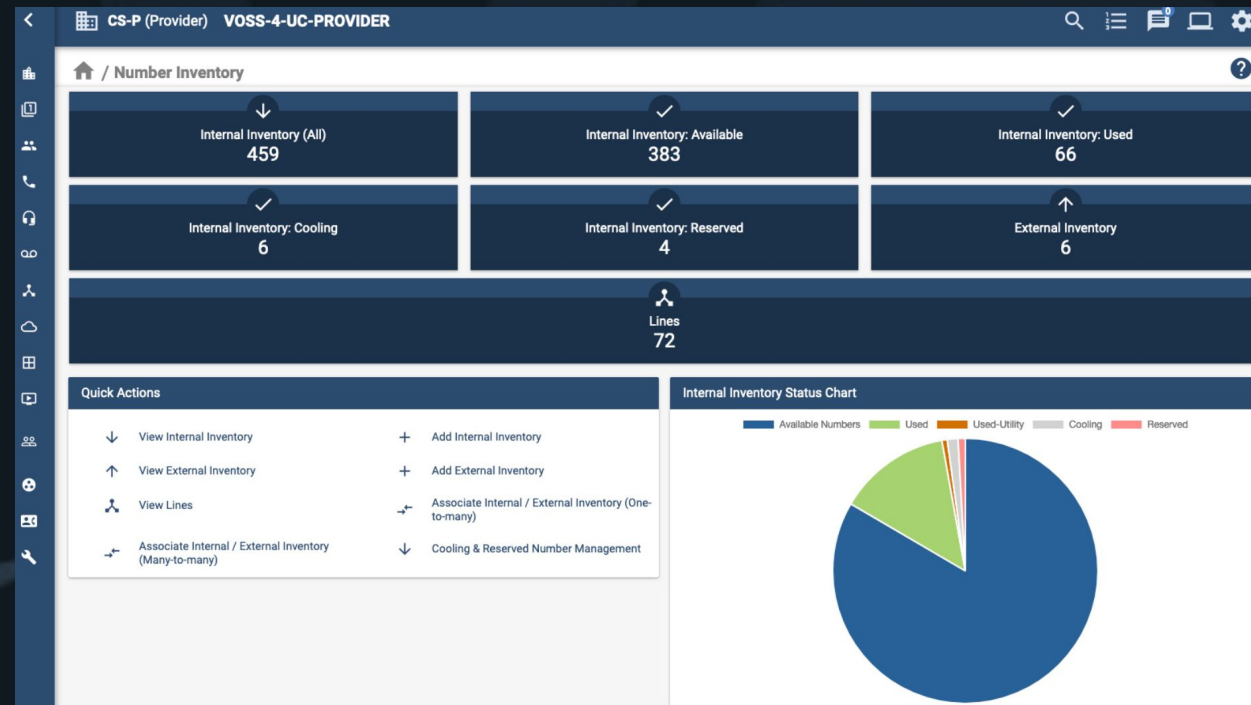
- Status and Usage fields improve identification and provide detailed Number usage

The screenshot shows the 'Number Inventory / 82010000' page. It has a breadcrumb trail: 'Home / Number Inventory / 82010000'. Below this, there are two tabs: 'Number Details' and 'Usage'. The 'Usage' tab is active. The table below shows the usage details for the number 82010000.

Line (Partition)	Usage
Cu1-DirNum-PT	
Phone SEPOC0011010000 (Cisco 8865)	
Phone CSF0C001100 (Cisco Unified Client Services Framework)	
Phone SEPOC0021010000 (Cisco 8865)	

Number Inventory Enhancements

- Support for Additional extra fields
 - Additional Flexibility in data captured with number inventory entries- Extra 1-9 now exist
 - expose/rename via field display policies
- Improved Number Inventory Audit Tool
- Usage Chart added to Business Admin Portal



Enhanced Microsoft and MS Teams Management

- O365 User and License Management
- MS Teams Management
 - Users
 - Dial Plan
 - Policies
- Integrated into other core tooling
 - Overbuild
 - Number Inventory Audit
 - Flow Through Provisioning (zero touch)

Enhanced Microsoft and MS Teams Management

Quick Add Subscriber / Quick Offboard Subscriber

Quick Off Board Subscriber

Username* HenriettaM@vossautobuild.onmicrosoft.com

Quick Add Subscriber

User status INFO: MS Teams Online user exists

First name Henrietta

Last name Mueller

Title Developer

Department R&D

Email address HenriettaM@vossautobuild.onmicrosoft.com

Send welcome email

Phone number +1 954 555 0118

Mobile phone

Enterprise voice enabled

Line URI 18694400002

Calling line identity Global

Online voice routing policy Global

Hosted voice mail

Quick Add Group* RND Reference Quick Add Group with E5

- Quick Add allows for
 - Enabling Teams
 - Enabling Enterprise Voice
 - Configure user and teams settings from Template (Quick Add Group)
- Quick Offboard is used to instantly unlicense a user

Enhanced Microsoft and MS Teams Management

- MS Teams Visibility and Management of System Element

Configuration

- Licenses
- Dial Plan
- Policies

Policies

- Upgrade Policy
- Calling Policy
- Meeting Policy
- Messaging Policy
- Meeting Broadcast Policy
- Call Park Policy

Dialplan Management

- Tenant Dialplan
- SBC Gateways
- PSTN Usages
- Voice Routes
- Voice Routing Policies
- Voice Normalization Rules
- Translation Rules

Licenses					
<input type="checkbox"/>	SKU Part Number ^	Active Units ▾	Consumed Units ▾	Located At ▾	Device
<input type="checkbox"/>	DEVELOPERPACK_E5	25	15	RND (Customer)	Connection parameters for Microsoft Graph Auto Build Tenant, Auto Build Tenant,

Enhanced Microsoft and MS Teams Management

- Overbuild is controlled the same way Cisco overbuild is controlled – Site Defaults.
- Using Model Filter Criteria, admins define the rules for when and where MS User objects (and in future, other auxiliary objects) should move

Site Defaults [AlterLake]

General Defaults | Device Defaults | Line Defaults | User Defaults | CUC Defaults | HotDial Defaults | Overbuild Defaults | MS Teams

Include Site for Overbuild

Model Filter Criteria				Add	Delete	Help	Action ▾
Name	Description	Type	Located At				
Generic MS 365 Match City to Site	Generic rule for matching a MS 365 User's City to Site	device/msgraph/MsolUser	sys (System)				
Generic MS 365 Match City to Site City	Generic rule for matching a MS 365 User's City to Site City	device/msgraph/MsolUser	sys (System)				
MS user department contains Sales or Mark...	MS user department contains Sales or Marketing	device/msgraph/MsolUser	AlterLake (Site)				
MS user department is DEVELOPER	MS user department is DEVELOPER	device/msgraph/MsolUser	AlterLake (Site)				
MS u...							
MS u...							
MS u...							

Microsoft Users

MS 365 User Model Filter Criteria

Enhanced Microsoft and MS Teams Management

- Internal Number Management tracks user assignment
- Marks Microsoft as vendor when subscribers are assigned numbers, or when imported from Teams
- Cooling and reservation can also be applied to MS numbers

Number Inventory									
<input type="checkbox"/>	Internal Number ^	Status ▾	Usage ↕	E164Number ↕	Release Date ↕	Tag ↕	Description ▾	Reservation notes ↕	Vendor ↕
<input type="checkbox"/>	100007	Used	User				Pradeep Gupta		Microsoft
<input type="checkbox"/>	18652200000	Cooling			2021-08-01				
<input type="checkbox"/>	18652200001	Cooling			2021-08-01				
<input type="checkbox"/>	18652200002	Cooling			2021-08-01				

Pexip Conferencing Management

- Ability to define Pexip details, and import all VMR's
- Full feature parity on VMR Settings
- Supports Overbuild. Anchored on owner email address, will seamlessly be presented in Subscriber Management when matching records have been overbuilt.
- Controlled/Enabled with Entitlement Profiles (Conferencing)
- Integrated into Subscriber, QAS and BAP

Pexip Conferencing Management

- Ability to manage Pexip VMR's as standalone services or as integrated with Subscriber Management

The screenshot displays the Pexip Conferencing Management interface. At the top, there is a navigation bar with tabs for 'User', 'Phones', 'Extension Mobility', 'Single Number Reach', 'Voicemail', 'WebEx', 'Webex Teams', and 'Pexip Conference'. Below this, the main content area is divided into two sections.

Pexip Conference Users [01TestPex Voss User]

This section has three tabs: 'Virtual Meeting Room', 'Advanced options', and 'Alias'. The 'Advanced options' tab is selected. The configuration fields are as follows:

- Name*: 01TestPex Voss User
- Description: 01TestPex Voss User
- Creation Time: 2021-01-20T23:11:11.561834Z
- Host PIN: 1122
- Allow Guests:
- Guest PIN: 4455
- View: Large main speaker and up to 7 other participants (1 + 7 layout)
- Show names of participants:
- IVR Theme: Pexip theme (English_UK)
- Owner's email address*: 01TestPex@voss.com

Pexip Conference

This section shows the configuration for a specific Pexip Conference. The fields are as follows:

- Name*: 876123
- Description: (empty)
- Creation Time: 2021-07-09T07:49:50.163360Z
- Host PIN: (empty)
- Allow Guests:
- View: Large main speaker and up to 7 other participants (1 + 7 layout)
- Show names of participants:
- IVR Theme: (empty)
- Conference Alias: (empty)
- Guests Can Present:
- Enable Chat: Use global chat setting
- Maximum inbound call bandwidth (kbps): (empty)
- Maximum outbound call bandwidth (kbps): (empty)
- Conference capabilities: Main video + presentation
- Maximum call quality: Use global setting
- Media encryption: Use global setting

Pexip Conferencing Management

- Manage Pexip VMR's settings in BAP as standalone services or as integrated with Subscriber Management

Home / Conferencing / Conferencing / 876123

Virtual Meeting Room

Name *	876123
Description	
Creation Time	7/9/2021, 7:49:50 AM
Host PIN	
Allow Guests	<input type="checkbox"/>
View	Large main speaker and up to 7 other participants 🔍
Show names of participants	<input type="checkbox"/>
IVR Theme	📄 🔍
Owner's email address *	john DOE036@aaaglobal.com

Alias

Alias	Description

Home / Subscribers / Subscribers / John036 Doe036

<h4>Phones</h4> <p>Lines 82012036</p> <p>Delete Reset Replace</p> <p>+</p>	<h4>Jabber Devices</h4> <p>+</p>
<h4>Extension Mobility</h4> <p>Lines 82010037 Edit Profile Name JohnD036-UDP Delete Device Type Cisco 6945</p>	<h4>Voicemail</h4> <p>Voicemail Line 82012036 Edit Admin Locked No Delete User Locked No Lock Account</p>
<h4>Single Number Reach</h4> <p>Associated Line 82012036 Edit Mobile Number 08447182012000 Delete</p>	<h4>Webex Teams</h4> <p>+</p>
<h4>Pexip Conference</h4> <p>Account Name 876123 Edit Delete</p>	

Pexip Conferencing Management

– Summary Information in BAP

The screenshot displays a dashboard titled "Subscribers" with a grid of summary cards. The cards are arranged in three rows and three columns. The first row contains "Subscribers 264", "End Users 301", and "Directory Synced 71". The second row contains "Local Users 193", "Phones 258", and "Extension Mobility Profiles 49". The third row contains "Voicemail Boxes 84", "Webex Teams 380", and "Pexip Conferencing 5". The "Pexip Conferencing 5" card is highlighted with a red border. Below the grid is a "Quick Actions" section with four items: "View All Subscribers", "Add Subscriber", "Move Subscriber", and "Bulk Add Subscribers".

Category	Count
Subscribers	264
End Users	301
Directory Synced	71
Local Users	193
Phones	258
Extension Mobility Profiles	49
Voicemail Boxes	84
Webex Teams	380
Pexip Conferencing	5

<input type="checkbox"/>	JohnD036	John036	Doe036	johndoe036@aaaglobal.com	End User		Pexip Account Name (876123)
--------------------------	----------	---------	--------	--------------------------	----------	--	-----------------------------

Extended Webex Teams User and Workspace Management

- Adds to existing capabilities in the product – evolving to supporting the latest Webex Teams capabilities and setups
- Expanded Customer/Organization settings
- Global settings to manage feature behavior
- Additional User settings
 - Support latest Control Hub integration options
 - Generate file for loading via Control Hub where missing API
- Bulk Update users – e.g. change calling behavior across users
- Support Native Calling options
- Manage selective Subscriptions and Sites

Extended Webex Teams User and Workspace Management

- Room Device Management
- Workspace Management
- Notifications from VOSS via Webex Teams messages
 - New activation code
 - updated user settings
 - expired access token

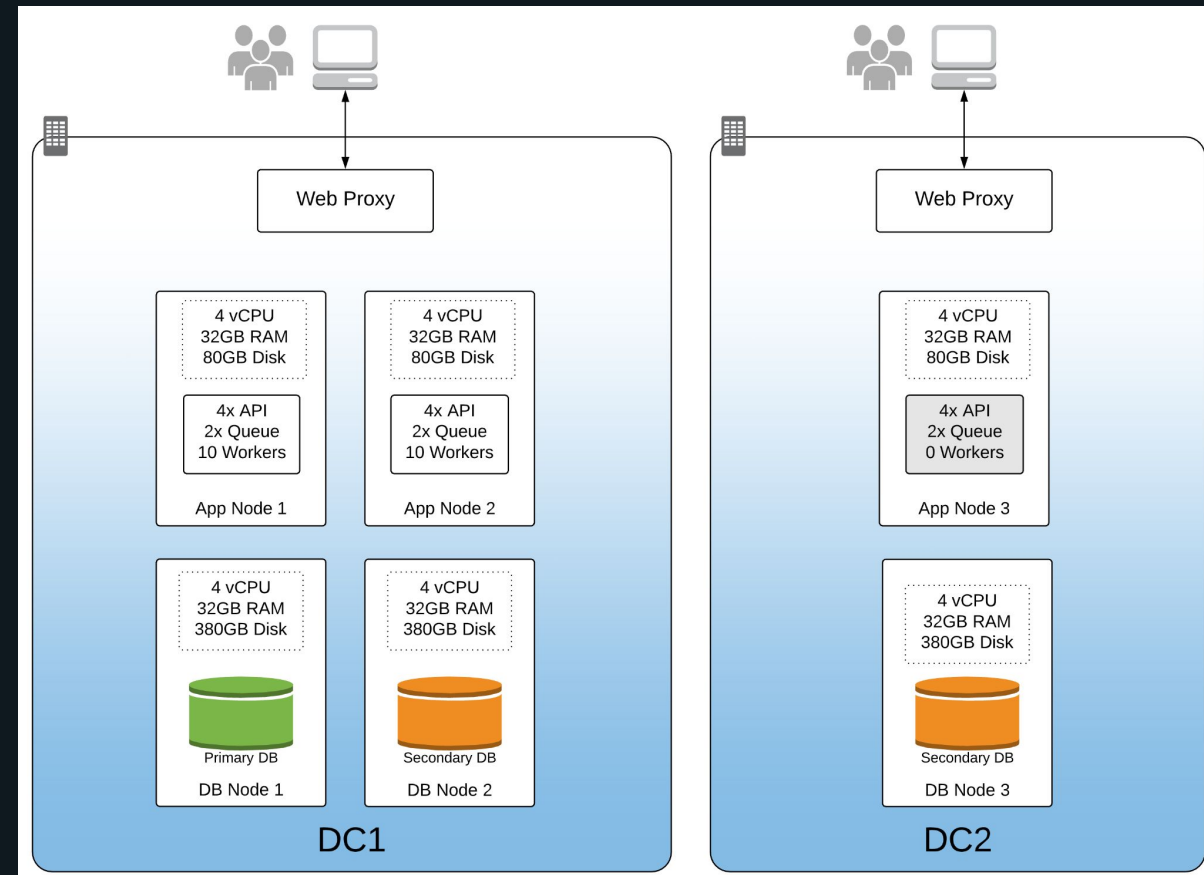
The screenshot shows the 'Workspaces [Place with 2 Devices]' configuration page. It includes fields for SIP Address, Device Activation Code, and Device Activation Code Expiration Date. Below these are sections for 'Calling' (with a dropdown for 'Free Calling (default)') and 'Calendar' (with a checkbox). At the bottom, there is a 'Devices' section with a dropdown menu and a 'Link Goto Device' button. A detailed view of a device is shown below, listing its Product, Connection Status, IP Address, and Primary SIP URL.

The screenshot shows the 'Devices' management page. It displays a list of device attributes and their values:

Name	
Place	Place with 2 Devices
Person	
Errors	
Capabilities	
Permissions	
Connection Status	disconnected
Product	Cisco Webex Room 55
Tags	
IP Address	172.29.255.25
Active Interface	
MAC Address	70:6B:B9:00:77:14
Primary SIP URL	
SIP URLs	
Serial	FTT220403VP
Software	RoomOS 2020-05-06 cf2befca38d
Upgrade Channel	Stable
Created	2020-05-21T15:41:43.564Z

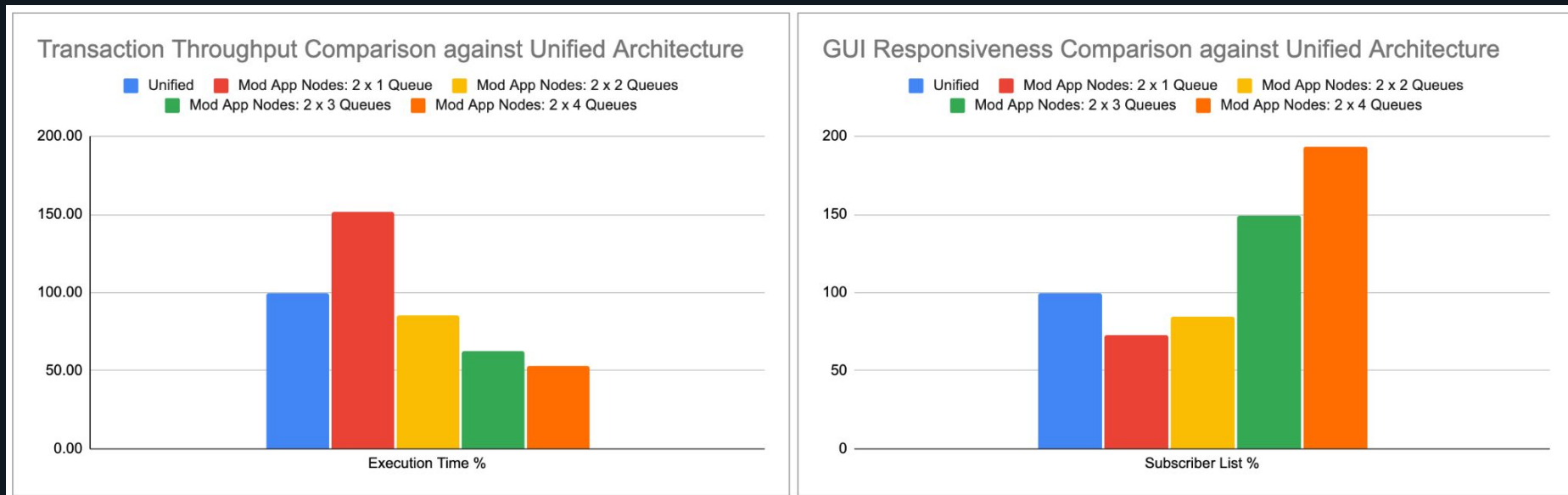
Modular Cluster Deployment (separate App and DB nodes)

- Increased processing utilization on Application nodes
- Horizontal scaling by adding more Application nodes
- Improved database resilience with dedicated nodes and isolation from Application
- Improved database performance by removing application load from the primary database



Modular Cluster Deployment (separate App and DB nodes)

- Migration from Unified to Modular deployment available
- The default migration to Modular, with the same cumulative number of queue processes across the cluster, reduces contention between application and database and has been seen to improve throughput



Automated License Audit Processing

- Upload of license audit files to the Customer Portal when exporting license data manually from platform CLI or from the monthly schedule
- Platform registration occurs when creating the ClientShape Destination in VOSS-4-UC
- Can be configured with Web Proxy configuration for communication to the internet

ClientShape Destinations / **New Record**

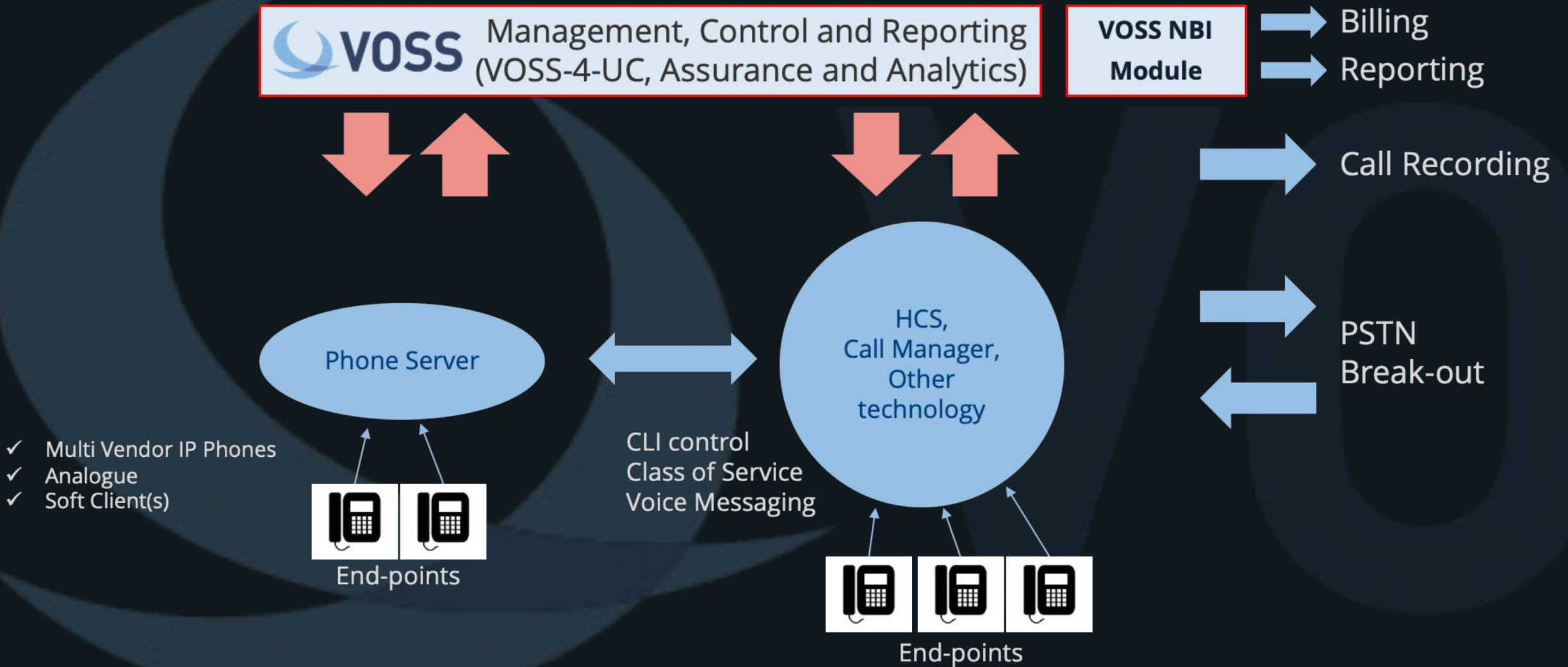
Organization ID *	0013X0567sEIIspBA	
Customer account information *	Customer A Region 1	
Installation Type *	Production	▼ 🔍
File format *	Anonymous ZIP	▼ 🔍
File Upload Active	<input checked="" type="checkbox"/>	
Web proxy	["Web Proxy 1"]	▼ 🔍

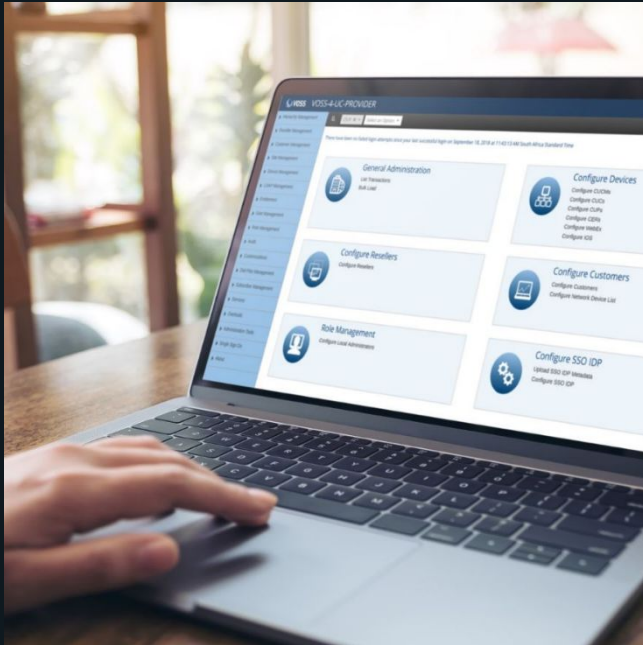
VOSS Phone Server

VOSS Phone Server operates as a registration and telephony server, connecting devices into existing telephony estates. In doing so, it provides a simple and straightforward mechanism to bring a wide choice of multi-vendor devices into current platforms such as Cisco HCS/CUCM, Avaya Aura and Microsoft Teams. The Phone Server can:

- Extend the lifetime of existing devices that become unsupported as the main telephony platform is upgraded to the latest software.
- Provide scalable, standard telephony at lower purchase and ongoing license costs at places such as lobbies, reception areas, meeting rooms and branch offices.
- Assist the migration to new telephony solutions, allowing existing devices to connect quickly and simply into the new estate with minimum disruption.
- Offer the option of connecting more traditional third party (SIP) phones and analog devices (ATA adapter) into solutions such as Microsoft Teams (which are designed to primarily cater for mobile and PC soft clients).
- Concentrate dispersed devices – home workers with remote devices – simply and cost-effectively back into the main Cisco or Avaya solution.

VOSS Phone Server





Operational and Usability Improvements



Support for Provider and Customer level Site Defaults Doc

- Allows Site Default values to be defined at Provider level and Customer level
- Site Default Doc instance is added when Provider is first added.
- Site Default Doc instance is added when Customer is first added.
- When each Customer is added the values defined at Provider level are inherited
- When each Site is added the values from Customer level are inherited

🏠 / Defaults

Rows: 0 - 32 / 32 Show/Hide

<input type="checkbox"/>	Name ↑↓	Located At ↑↓
	Filter	Filter
<input type="checkbox"/>	PROVIDER_TEMPLATE	CS-P (Provider)
<input type="checkbox"/>	CUSTOMER_TEMPLATE	AAAGlobal (Customer)

Cisco Phone Status Export Tool

- Exports Phone Status' to CSV file
- Supports filtering on Status, Unified CM Cluster, Device Name, Directory Number and IP Address

🏠 / Phone Status Export

Phone Status Export

Notes

This tool will export the list of Phones where the Phone's status matches the selected "Status" filter. Additional filters for Unified CM Cluster, Device Name and Directory Number can be defined to refine the list. If the matched Phones reside on more than 3 Unified CM Clusters the export will fail and you will be required to further refine your search. When executed above Customer level the Unified CM Cluster filter must be defined in order to reduce the search scope to a single Unified CM Cluster.


File name prefix

Filters

Status *	Registered	▼ 🔍
Unified CM Cluster *	192.168.100.15	▼ 🔍
Device Name	<input type="text"/>	
Directory Number	<input type="text"/>	
IP Address	<input type="text"/>	

Ability to reset/restart all phones at a Site in bulk

- Provides the ability to Reset or Restart all registered Phones at a Site



 / Reset-Restart Site Phones

Note

If a device is not registered with Cisco Unified Communications Manager, you cannot reset or restart it. If a device is registered, to restart a device without shutting it down, choose "Restart All Phones" from the dropdown.


To shut down a device and bring it back up, choose "Reset All Phones" from the dropdown.

WARNING: The selected Action will be performed on ALL phones currently registered at this Site.


Action to Take Reset All Phones  

Tool to associate / disassociate Users and Phones

- Dedicated tools to Associate existing Devices to or Disassociate Devices from a Subscriber:
- Simplifies Bulk Loading or API actions

 / Add Device to User


Username *	JohnD018	▼	🔍
Device Type *	Phone	▼	🔍
Device Name *	BAT074331767951	▼	🔍







 / Remove Device from User


Username *	JohnD018	▼	🔍
Device Name *	SEP112233556000	▼	🔍









Clusterwide Call Park and Directed Call Park management

- Provides the ability to manage Clusterwide Call Parks and Directed Call Parks

 / Clusterwide Call Park / 82017202

Call Park Number *	82017202	 
Description	VOSS-667	
Partition	Cu1Si1-Feature-PT	 
CUCM Server *	CM_cucm	 

 / Clusterwide Directed Call Park / 82010019

Directed Call Park Number *	82010019	 
Description		
Partition	Cu1Si1-Feature-PT	 
Reversion Pattern	82010031 (Used)	 
Revert Css Name	Cu1-DirNum-CSS	 
Retrieval Prefix *	*456	

LBO Gateway provisioning workflows

- Provides the ability to manage LBO Ports for SIP Gateways (Provider Deployments only)

🏠 / SIP Gateway Port / Port00

LBO Gateway Name *	SIPGate00
Port Number *	0
Port Type *	E1 ▼ 🔍
Description	Port00
Framing *	crc4 ▼ 🔍
Clock Source *	line ▼ 🔍
Line Coding *	hdb3
Protocol Side *	Network ▼ 🔍
ISDN Switch Type *	primary-net5 ▼ 🔍
ISDN B-Channel Number Order *	ascending ▼ 🔍
Set Called Party Number NOA for Outgoing Calls	<input type="checkbox"/>
Set Calling Party Number NOA for Outgoing Calls	<input type="checkbox"/>

Overbuild Support for Analog Gateways

- Adds support to Overbuild Analog Gateways
- Moves Gateway and End Points to Site based on Device Pool of first Port
- Automatically adds IOS Device entry for each Gateway

🏠 / Overbuild Analog Gateway

CUCM IP Address	<u>192.168.100.15</u>	▼ 🔍
-----------------	-----------------------	-----

Quick Add SIP Gateways

- Adds a SIP Gateway based on predefined Trunk and Port Configuration Templates
- Adds a new IOS Device or allows selection of existing IOS Device

🏠 / Quick Add SIP Gateway

IOS Device SIP Trunk SIP Gateway Ports

IOS Device Name * NEWIOS

IOS Device Description

Prime Collaboration

🏠 / Quick Add SIP Gateway

IOS Device SIP Trunk SIP Gateway Ports

T1/E1 Ports

▼ No value set

Description

Port Number * 0/0

Port Template * GS_IOSGateway_SampleE1Port_CFT


🏠 / Quick Add SIP Gateway



IOS Device SIP Trunk SIP Gateway Ports

SIP trunk template * GS_IOSGateway_SampleSipTrunk_CFT

Multi-cluster FAC management

- Adds FAC codes to all Unified CMs
- Delete FAC codes from single or all Unified CMs
- Sync FAC Codes to all Unified CMs
- Customizable description on Authorization Levels

 / Forced Authorization Codes / **New Record**

Name *	<input type="text" value="AllowLocalCallsOnly"/>
Authorization Level *	<input type="text" value="1-Allow Local Calls"/>  
Code *	<input type="text" value="2424242424"/>

Name: A unique name describing your FAC code eg. Customer Code + Subscriber UserID e.g. AAA_asmith01

Authorization Level: Select a valid value from 0-255. To successfully route a call, the user's Authorization Level must be equal to or greater than the Authorization Level set on the Route Pattern.

Improved MTP, Transcoder and Conference Management

🏠 / Media Resource MTP / MTP1

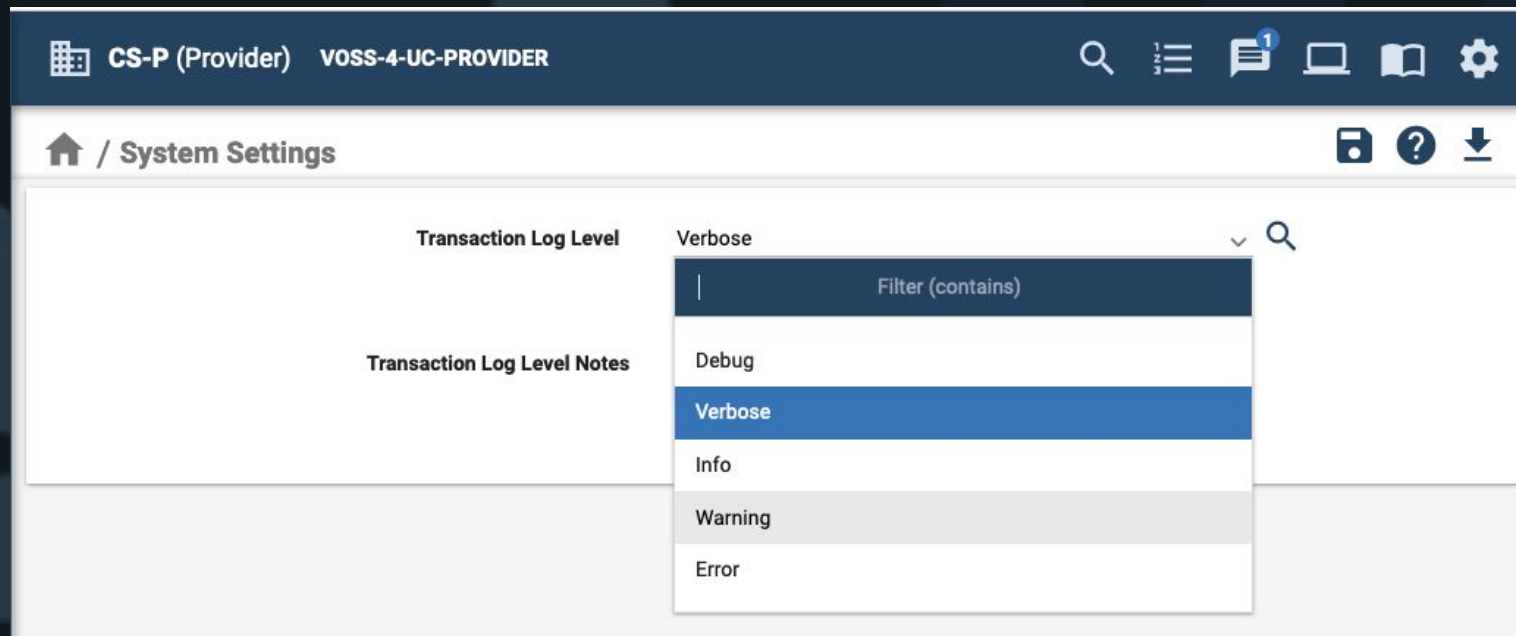
MTP Name *	MTP1
MTP Type *	Cisco IOS Enhanced Software Media Termination Point
Description	<input type="text"/>
Device Pool Name *	Cu1Si1-DevicePool
Trusted Relay Point	<input type="checkbox"/>

🏠 / Media Resource CFB / CiscoTPCFB

Product *	Cisco TelePresence MCU
Conference Bridge Name *	CiscoTPCFB
Description	<input type="text"/>
Conference Bridge Prefix	<input type="text"/>
SIP Trunk Name *	Sip10000 <input type="text"/>
Allow CFB Control Of Call Security Icon	<input type="checkbox"/>
Username *	user
Password * <input type="checkbox"/> Show
Use Https	<input checked="" type="checkbox"/>
Http Port *	443
Override SIP Trunk Address	<input type="checkbox"/>

Improved Transaction Log Management

- Limit logs generated by workflows by default
 - Two new logs levels (Debug & Verbose) added for detailed diagnostic logs - some log messages downgraded from “Info” to “Verbose” severity
 - Automatically preserve diagnostic logs for all failed transactions
- Enable changing of transaction log level by Provider administrators and higher



Improved Transaction Log Management

- Mechanism to override log level for data sync execution
- Data sync logs a summary of created, updated, deleted counts per model e.g. User, Phone

The screenshot shows a web application interface for 'Data Sync / New Record'. The page title is 'CS-P (Provider) VOSS-4-UC-PROVIDER'. The breadcrumb navigation is 'Data Sync / New Record'. The form contains several configuration options:

- Import Data Only
- Execute Asynchronously
- Refresh Existing (Changed) Data
- Force Refresh Of Data
- Number of Changes To Process
- Model Type List
- Synchronization Order
- Model Instance Filter

Below these options are sections for 'Device Filters' and 'Workflows'. A red box highlights the 'Transaction Log Level' field, which is currently set to 'Use System Settings'. A tooltip is displayed next to this field, stating: 'The transaction log level to be used for this Data Sync and its immediate sub-transactions. Default is Warning when this field is not set.'

Improved Transaction Log Management

- Reworked internal transaction record storage to improve retention period for transactions
- Support for increasing maximum storage capacity for detailed transaction logs

```
USAGE:
-----
voss db_collection_cap <TRANSACTION_LOG> <Collection cap in GB> - Set the collection cap to a size in GB. Limited to between 10-50 GB
voss db_collection_cap_check <TRANSACTION_LOG> - Get the collection cap size in GB.
```

```
platform@VOSS-UN-1:~$ voss db_collection_cap_check TRANSACTION_LOG
TRANSACTION_LOG cap size is 10 GB
platform@VOSS-UN-1:~$ voss db_collection_cap TRANSACTION_LOG 50
You are about to update the cap of a DB collection. Do you wish to continue?
```

- Transaction archive/export/delete now run as transactions visible in Admin portal

```
voss transaction archive 180
You are about to delete transactions from the system. Do you wish to continue?yes
Available space: 24,361,576 KB
Estimated space: 21,806 KB
Existing transaction [139466] found, not requeuing.
Transaction progress(ctrl-c to exit, transaction will continue to execute):
-Export transactions: 81% | 89900/111094 [00:20<00:08]
```

Filter: **Action equals 'Execute Command'** ✖

Id	Action	Username	Status	Detail	Submitted Time
139467	Execute Command	system	Success	Delete old transactions.	Jul 27, 2021, 12:11:07 PM
139466	Execute Command	system	Success	Export transactions.	Jul 27, 2021, 12:08:07 PM

Support for Dynamic Menu Layouts



- Build menus that can hide/show entries based on conditions
 - Conditions are macro driven, e.g. `{{ macro.supports_hierarchy_mgt }}`
 - Macros must return true/false

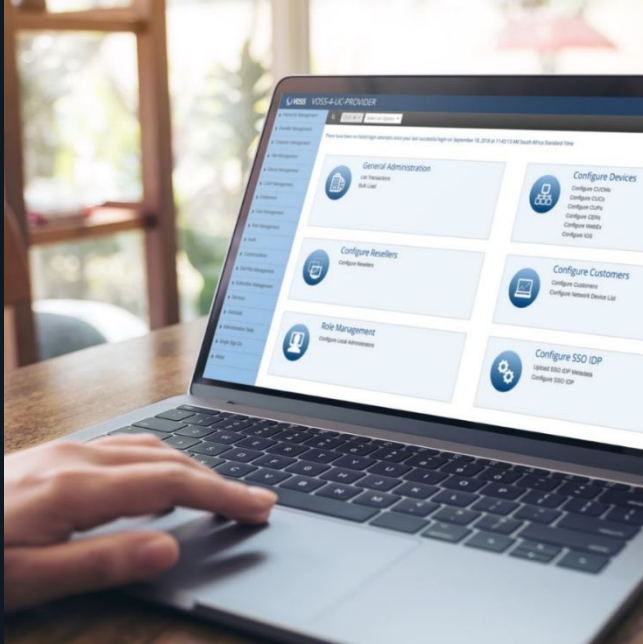
Menu Layouts [HcsProviderMenu]

Name*

Description

+ Menu Items

	Title	Description	Condition	Icon	Type
	<input type="text" value="Hierarchy Manager"/>	<input type="text"/>	<input type="text" value="{{ macro.supports_h"/>	<input type="text" value="Business"/>	<input type="text"/>
	<input type="text" value="Reseller Manageme"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Device Hub"/>	<input type="text"/>

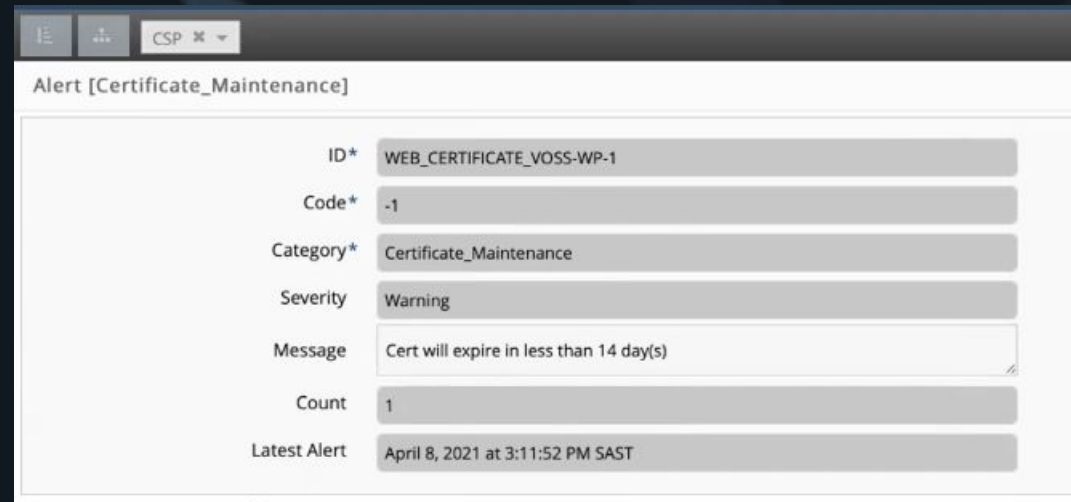


Platform



Additional System Monitoring Capabilities

- Proactive monitoring of SSL certificate expiry - alerts sent 30, 14, or 1 day(s) before expiry
- Admin portal visible alerts, SNMP, and email supported



- Now generating audit log messages for account lock / unlock events

```
/var/log/syslog:Jul 27 14:39:36 VOSS-UN-1 audit: Jul 27 2021 14:39:36.351186 UTC|UserID : david  
ClientAddress : 172.29.90.56 Severity : 0 EventType : UserLogging ResourceAccessed : UserLogin  
EventStatus : Locked CompulsoryEvent : No AuditCategory : SecurityEvent ComponentID : CUCDM  
AuditDetails : User account locked - 11 tries / 10 max App ID: CUCDM SSH
```

Improved filtering of system audit logs

- Introduces a fixed set of audit log filters (called rulesets) to control the verbosity of audit log messages that are streamed to remote syslog servers
- Previously, all operating system audit event information & some CLI commands were streamed to remote syslog servers while audit log feature was enabled

```
platform@VOSS-UN-1:~$ log audit ruleset list
```

Option	Name
-----	----
Rules Enabled	
1	Default Rules
2	CLI Commands
Rules Disabled	
3	Users and Groups
4	Network Events
5	Security
6	Software Management
7	Root Commands
8	File Access

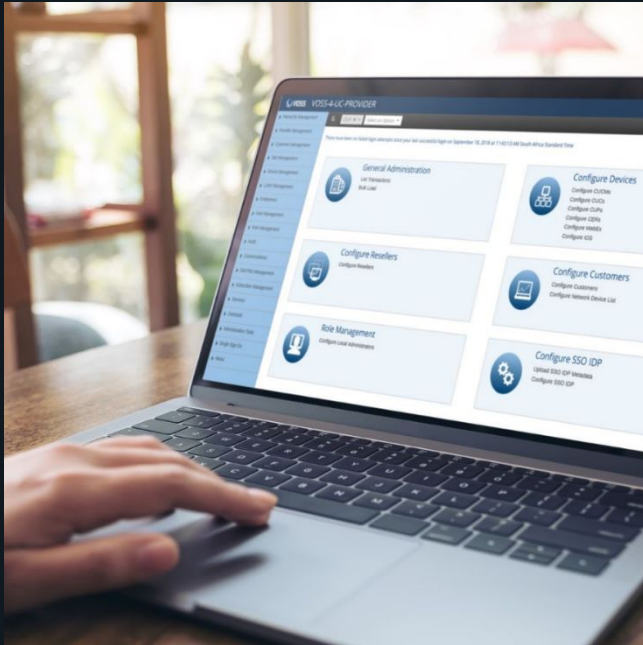
To enable rule sets please run "log audit ruleset enable 1,2,3,5"
To disable rule sets please run "log audit ruleset disable 2,5,6"
PLEASE NOTE: The options is a comma delimited string with no spaces

Ability to stream all platform logs to remote syslog server

- New commands to configure streaming of selected log files to remote syslog server
- Streaming can be configured to use TCP or UDP
- Log files streamed as-is to remote syslog

```
platform@VOSS-UN-1:~$ log
USAGE:
-----
log [auditevent] locallog on/off           - Enable or disable audit/event logging
log [auditevent|stream] remotelog         - Get the config for remote system logging
log [auditevent|stream] remotelog <IP:port>|off - Configure a remote system for sending logs
log [auditevent|stream|ssl] status         - Get the status for audit/event/stream/ssl logging
log audit reset default                    - Reset the rules to the default set
```


```
platform@VOSS-UN-1:~$ log stream enable voss-deviceapi/app.log
You are about to restart syslog. Do you wish to continue? yes
Updating list of files to stream to remote
You have new mail in /var/mail/platform
platform@VOSS-UN-1:~$ log stream protocol udp
You are about to restart syslog. Do you wish to continue? y
platform@VOSS-UN-1:~$ log stream status
stream:
  filenames:
    voss-deviceapi/app.log
```

Small Enhancements

Ability to customize list column headings using Field Display Policies

- Title values set for fields in Field Display Policies are now shown for column headings in list views

Field * ▼ 

Title

<input type="checkbox"/>	NEW TITLE VALUE 	First Name 	Last Name 	Email Address 
	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>
<input type="checkbox"/>	wrertand01	Wayne	Rertand	wrertand01@ab-group.com
<input type="checkbox"/>	VoiceMike2	fn2	ln2	
<input type="checkbox"/>	VoiceMike1	fn1	ln1	

Ability to hide system-level transactions from the transaction log page

- New checkbox transaction log filter to hide transactions executed at the system hierarchy level

The screenshot shows a web application interface for viewing transaction logs. The main area is a table with columns: Id, Action, Username, Status, Detail, and Submitted Time. A modal dialog box titled "Filter" is overlaid on the table, allowing users to filter transactions based on various criteria:

- Transaction ID: [Text input field]
- Include Sub Transactions:
- Exclude System Transactions:
- Status: Any (dropdown menu)
- Date: All (dropdown menu)
- Action: Any (dropdown menu)
- Username: [Text input field]
- Detail: [Text input field]

Buttons for "Cancel" and "Filter" are located at the bottom of the dialog. The background table shows a list of transactions, including successful bulk loads, subscriber updates, and a failed Pexip conference creation.

Id	Action	Username	Status	Detail	Submitted Time
53935	Execute Bulk Load	CS-PAdmin	Success	[2/2] succeeded from [1] sheet in QAS_Bulk_Load_Update(2).xlsx.	Aug 23, 2021, 9:35:45 AM
53915	Update Subscriber	CS-PAdmin	Success	NBI-QAS10	Aug 23, 2021, 9:16:33 AM
53912	Update Site Defaults Doc	CS-PAdmin	Success	PROVIDER_TEMPLATE	Aug 23, 2021, 9:02:36 AM
53898	Create Quick Subscriber	CS-PAdmin	Success	NBI-QAS10 (at Site: NorthAnne)	Aug 23, 2021, 8:43:23 AM
53879	Update Subscriber	CS-PAdmin	Success	NBI-QAS10	Aug 23, 2021, 8:41:12 AM
53845	Create Gs lo				Aug 23, 2021, 8:32:39 AM
53843	Create Gs lo				Aug 23, 2021, 8:32:20 AM
53842	Create Gs lo				Aug 23, 2021, 8:32:07 AM
53841	Create Gs lo				Aug 23, 2021, 8:31:37 AM
53822	Update Subs				Aug 23, 2021, 8:27:50 AM
53777	Execute Bulk			(2).xlsx.	Aug 23, 2021, 8:02:55 AM
53771	Execute Bulk			(1).xlsx.	Aug 23, 2021, 7:56:46 AM
53767	Execute Bulk			.xlsx.	Aug 23, 2021, 7:38:55 AM
53756	Delete Conf				Aug 23, 2021, 5:16:08 AM
53755	Delete Quick				Aug 23, 2021, 5:16:03 AM
53744	Create Num				Aug 23, 2021, 5:15:49 AM
53743	Create Quick				Aug 23, 2021, 5:15:48 AM
53742	Create Configuration Template	CS-PAdmin	Success	QAS Bulkload CFT	Aug 23, 2021, 5:15:43 AM
53735	Create Global Settings	CS-PAdmin	Success	Updated Global Settings at hierarchy node: [CS-P]	Aug 23, 2021, 4:11:16 AM
53697	Create Reassign Services View	CS-PAdmin	Success	EKB_8270_NewTargetUser	Aug 23, 2021, 2:44:42 AM
53686	Create Quick Subscriber	CS-PAdmin	Success	EKB_8270 (at Site: LOC002)	Aug 23, 2021, 2:44:16 AM
53685	Create Pexip Conference	CS-PAdmin	Fail	EKB-8545	Aug 23, 2021, 2:44:12 AM
53683	Delete Hcs Cti Route Point Rel	CS-PAdmin	Success	CTIRP_EKB9314	Aug 23, 2021, 2:44:09 AM
53681	Update Hcs Cti Route Point Rel	CS-PAdmin	Success	CTIRP_EKB9314	Aug 23, 2021, 2:44:02 AM
53679	Update Hcs Cti Route Point Rel	CS-PAdmin	Success	CTIRP_EKB9314	Aug 23, 2021, 2:43:56 AM

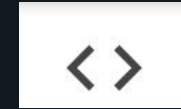
Menu layout “diff” tool [New Admin Portal]

- New tool to ease comparing and updating menu layouts
 - Supports drag & drop
- Supported in the New Admin Portal only

The screenshot displays the 'Menu Diff Tool' interface. The title bar shows a home icon and the text '/ Menu Diff Tool'. The main content is split into two panels: 'Source Menu' and 'Target Menu'. Each panel has a search bar and an 'Expand' button. The 'Source Menu' panel shows a list of menu items for 'HcsEnhancedProviderMenu - sys.hcs', including Provider Configuration, Role Management, Cisco UC App Management, VOSS Phone Server Management, Customer Management, HCS Dial Plan Management, Custom Dial Plan Management, LDAP Management, Site Management, User Management, Number Management, Cisco Subscriber Services, Cisco Analogue GW Management, Cisco MACD Functions, and Multi Vendor Services. The 'Target Menu' panel shows a list of menu items for 'HcsProviderMenu-VOSS - sys.hcs.CS-P', including Hierarchy Management, Reseller Management, Customer Management, Site Management, Device Management, LDAP Management, Entitlement, User Management, Role Management, Audit, Customizations, Dial Plan Management, Subscriber Management, Services, and Overbuild.

Ability to view and edit the JSON representation of any form

- Enabled via Access Profile - New button visible when enabled
- Allows the user to easily copy data or update config inline



Phone Summary

Cisco Unified Client Services Framework

boyce.serafino

Located at AAA-Calgary (Site)

Quick Actions

- Reset Phone
- Restart Phone
- Replace Phone
- Login User

Phone Details

Phone Name * CSFBSEAFIN08D

Description Boyce Serafino x64217

Assigned Subscriber boyce.serafino

Network Locale

User Locale English United States

Phone Button Template Standard Client Services Framework

Calling Search Space Cu2SI23-CANDP-Emer-CSS

Device Pool Name * Cu2SI23-AAA-Calgary-DP1

Enable Extension Mobility

Lines

Line	Label	Display
64217	boyce.serafino x64217	Boyce Serafino

Speed Dials

Number	Label	Position
--------	-------	----------

Busy Lamp Fields

Line	Destination	Label	Position
------	-------------	-------	----------

Services

Service Name	URL Label	URL Button Position
--------------	-----------	---------------------

Certificate Authority Functions

Certificate Operation * No Pending Operation

Authentication Mode

Phone Summary

Cisco Unified Client Services Framework

boyce.serafino

Located at AAA-Calgary (Site)

Quick Actions

- Reset Phone
- Restart Phone
- Login User

JSON Editor

```
1 {
2   "directoryUrl": null,
3   "protocol": "SIP",
4   "secureInformationUrl": null,
5   "requireDtmfReception": false,
6   "phoneTemplateName": "Standard Client Services Framework",
7   "callingSearchSpaceName": "Cu2SI23-CANDP-Emer-CSS",
8   "cgpnIngressDN": null,
9   "useTrustedRelayPoint": "Default",
10  "networkLocale": null,
11  "ringSettingBusyBlfAudibleAlert": "Default",
12  "msisdn": null,
13  "userLocale": "English United States",
14  "deviceMobilityMode": "On",
15  "elinGroup": null,
16  "outboundCallRollover": "No Rollover",
17  "primaryPhoneNumber": null,
18  "name": "CSFBSEAFIN08D",
19  "retryVideoCallAsAudio": true,
20  "callInfoPrivacyStatus": "Default",
21  "geoLocationFilterName": null,
22  "phoneServiceDisplay": "Default",
23  "secureDirectoryUrl": null,
24  "alwaysUsePrimeLineForVoiceMessage": "Default",
25  "mtpRequired": false,
26  "secureMessageUrl": null,
```

Cancel Update



Business Admin Portal

Move Subscriber added as a built-in feature

- Move Subscriber integrated into Quick Actions

The image shows a web application interface with two main sections. The top section, titled "User Details", shows the profile for "Beverley Gertrand" with fields for Username (bgertrand01) and First Name (Beverley). To the right is a "Quick Actions" panel with "Reset Pin / Password" and "Move Subscriber" options. The bottom section, titled "Move Subscriber", is divided into four configuration panels: "Subscriber Configuration", "Phone Configuration", "Jabber / Dual Mode Device Configuration", and "Line Configuration".

User Details

Username *	bgertrand01
First Name	Beverley

Quick Actions

- Reset Pin / Password
- Move Subscriber

Subscriber Configuration

Subscriber *	bgertrand01	▼ 🔍
Move From Hierarchy	AAAGlobal (Customer)	
Move To Hierarchy *		▼ 🔍
New Role		▼ 🔍
Use Default Device Pool	<input checked="" type="checkbox"/>	
User Template		▼ 🔍

Phone Configuration

Move Desk Phones	<input checked="" type="checkbox"/>
Create New Phone	<input type="checkbox"/>

Jabber / Dual Mode Device Configuration

Android Profile		▼ 🔍
CSF Profile		▼ 🔍

Line Configuration

Create New Line	<input checked="" type="checkbox"/>
Use Default CSS	<input checked="" type="checkbox"/>

New Multi-vendor Subscriber option

- Ability to switch between existing Cisco-based Subscriber or new Multi-vendor Subscriber
 - Toggle on the Business Admin Portal Profile
- Multi-vendor Subscriber provides a full list of users irrespective of vendor technology
 - E.g. Cisco, MS Teams, Unity Voicemail Only etc.

The screenshot shows the 'Business Admin Portal Profiles [default]' configuration page. The 'Subscribers' tab is active. The 'Feature title*' is set to 'Subscribers'. The 'Enable Multi-Vendor' checkbox is unchecked, and a red arrow points to it. The 'User Details Display Policy' is set to 'BusinessAdminUserDetailsFDP'. Below this, there are two columns: 'Available' and 'Selected'. The 'Available' column lists various features like 'Add Contact Center Express Agent', 'Add Extension Mobility Profile', etc. The 'Selected' column lists features like 'Subscriber Count', 'Phone Count', etc. There are 'Select' and 'Remove' buttons between the columns, and 'Move Up' and 'Move Down' buttons at the bottom right.

New Multi-vendor Subscriber option

- New Subscriber list page, which summarizes user services across all vendors
- New Subscriber management page, which enables MACDs across all vendor services

Subscribers / Multi Vendor Subscribers

Rows: 0 - 72 / 72 7 columns selected

Username	First Name	Last Name	Email	Entitlement Profile	Services	Located At
acarstel01	Andy	Carstel	acarstel01@ab-group.com	AB_Group-Standard-EP	→ QD	CL1-AB-C-Hannover (Site)
AdeleV@themusicbean.onmicrosoft.com	Adele	Vance	AdeleV@themusicbean.onmicrosoft.com	AB_Group-Standard-EP	→ [Hybrid: (Cisco-MS) Primary Line: (8115530)]	CL1-AB-C-Hannover (Site)
adervers01	Andy	Dervers	adervers01@ab-group.com	AB_Group-Standard-EP	→ QD	CL1-AB-C-Remmes (Site)
AlexW@themusicbean.onmicrosoft.com			AlexW@themusicbean.onmicrosoft.com		→ [] []	CL1-AB-C-Grenoble (Site)
apeters01	Adam	Peters	apeters01@ab-group.com		→ QD	CL1-AB-SA-Durban (Site)
apeters_mvms_20	Alex	Peters	apeters_mvms_20@aaaglobal.com	AB_Group-Standard-EP	→ QD []	CL1-AB-C-Grenoble (Site)
arichards_mvms_20	Annabelle	Richards	arichards_mvms_20@aaaglobal.com	AB_Group-Standard-EP	→ QD []	CL1-AB-C-Grenoble (Site)
bgertrand01	Beverley	Gertrand	bgertrand01@ab-group.com	AB_Group-Premium-EP	→ QD []	CL1-AB-SA-Durban (Site)
cbullard_abgroup	Chris	Bullard	cbullard@AB_Group.com			AB_Group (Customer)
cfurmer01	Charles	Furmer	cfurmer01@ab-group.com		→ QD	AB_Group (Customer)
chrisvw01@themusicbean.onmicrosoft.com			chrisvw01@themusicbean.onmicrosoft.com		→ [] []	CL1-AB-C-Grenoble (Site)
CL1-AB-SA-DurbanAdmin			CL1-AB-SA-DurbanAdmin@AB_Group.com			CL1-AB-SA-Durban (Site)
cwilson_mvms_20	Claire	Wilson	cwilson_mvms_20@aaaglobal.com	AB_Group-Standard-EP	→ QD []	CL1-AB-C-Grenoble (Site)
DiegoS@themusicbean.onmicrosoft.com			DiegoS@themusicbean.onmicrosoft.com		→ [] []	CL1-AB-C-Grenoble (Site)
dvalder01	deborah	Valder	dvalder01@ab-group.com		→ QD	AB_Group (Customer)
egourand01	Edgar	Gourand	egourand01@ab-group.com		→	AB_Group (Customer)

Subscribers / Adele Vance

Extension Mobility (Cisco) Lines 8115530 [Phone Icon] Edit Delete	Voicemail (Cisco) +
Single Number Reach (Cisco) Associated Line 8115530 Edit Mobile Number 0829995530 Delete	WebEx (Cisco) Active ACTIVATED Edit Email AdeleV@themusicbean.onmicrosoft.com
Webex Teams (Cisco) Login Enabled No Edit Invite Pending Yes Delete Services None configured	Contact Center (Cisco) +
Microsoft Teams Enterprise Voice Enabled No Edit Primary Line Delete	Microsoft Licenses Is Licensed Yes Edit Account SKU ID Yes Delete
Hybrid Status Service Type Cisco-MS Update Hybrid Status Primary Line 8115530	

Thank You

info@voss-solutions.com
www.voss-solutions.com

