Preface

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Overview

This guide describes how to use Vision OSS USM to provision the Cisco Hosted Unified Communications Services (UCS) core platform and components. This document is designed to be used in conjunction with *Getting Started with Cisco Hosted Unified Communications Services.*

Audience

This document is written for Cisco Advanced Services (AS), system integrators, Cisco partners, and Cisco customers who are interested in implementing Cisco Hosted UCS 7.1(a).

This document is to be used with the documentation for the individual components of the Hosted UCS 7.1(a) platform after completing the high-level design (HLD) and low-level design (LLD) for a specific customer implementation.

Organization

This manual is organized as follows:

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Chapter 1, “Hosted UCS Call Routing and Dial Plans”	Describes how call routing occurs and how dial plan models work within a Cisco Multi-tenant Hosted Unified Communications Services (UCS) 7.1(a) deployment.
Chapter 2, “Hosted UCS Static Configuration”	Describes the static configuration required as part of the lab builds for Cisco Hosted Unified Communications Services (UCS), Release 7.1(a).
Chapter 3, “Defining and Configuring Core Network Elements and Resources”	Describes how to define and configure the core network elements required for implementing the Hosted Unified Communications Services platform.
Chapter 4, “Managing Countries and Provider Resources”	Describes how to define and configure other USM objects and resources, such as countries.
Chapter 5, “Managing Legacy PBX Support”	Describes how to integrate the Hosted Unified Communications Services platform with legacy PBX systems.
Chapter 6, “Provisioning Movius VoiceMail and Auto Attendant Services”	Describes the provisioning of Movius VoiceMail and Auto Attendant services and configuring SBC for the Movius Auto Attendant to work with PGW.
Chapter 7, “Provisioning the Local PSTN Breakout Support”	Describes how PSTN calls can be routed via Local Gateways in the Hosted UCS reference architecture for the Hosted UCS 7.1(a) Release.
Chapter 8, “Provisioning LBO Location with Cisco Emergency Responder”	Describes the deployment of Cisco Emergency Responder (CER) in the Hosted UCS 7.1(a) platform
Chapter 9, “Provisioning NAT/PAT Support”	Describes how to configure Cisco Hosted UCS components when IP phones are connected to the USM server through a Cisco NAT/PAT device.
Chapter 10, “Provisioning Other Hosted Unified Communications Services Features”	Describes how to use VisionOSS Unified Services Manager (USM) application to provision the components of the Cisco Hosted Unified Communications Services (UCS), Release 7.1(a) platform
Chapter 11, “Provisioning Analog Gateway”	Describes the Provisioning of analog VG224 gateway for a customer location in Hosted UCS Release 7.1(a).
Chapter 12, “Provisioning Linked Locations”	Describes how the New Linked Locations functionality on Hosted UCS 7.1(a) allows a single site code to be shared within a group of locations called linked locations..
Chapter 13, “Provisioning Single Number Reach”	Describes Single Number Reach (SNR) which provides Cisco Unified Communications users with the ability to be reached via a single enterprise phone number that rings on both their IP desk phone and their cellular phone (Remote Destination), simultaneously.

Appendix A, “Hosted Unified Communications Services Location Administration”	Describes the options available to Location-level administrators within the Hosted UCS Release 7.1(a).
Appendix B, “Hosted Unified Communications Services Division Administration”	Describes the options available to Division administrators within the Hosted Unified Communications Services (UCS) system.
Appendix C, “Hosted Unified Communications Services Customer Administration”	Describes the options available to Customer administrators within the Hosted Unified Communications Services (UCS) system.
Appendix D, “Sample PGW, Unified CM, and IP Unity Transactions”	Describes the sample PGW, Unified CM and IP Unity transactions in Unified UCS
Appendix E, “Local Gateway Supported Call Scenarios”	Describes the Local Gateway supported call scenarios in Cisco Hosted UCS
Appendix F, “Legacy PBX Information”	Describes the Leagacy PBX Information for the Hosted UCS Release 7.1(a)
Appendix G, “Phone Details”	Provides the details of Phone Types name and model ID list.
Appendix H, “Local Gateway Configuration”	Provides the Example Local Gateway Configuration.

Related Documentation

For more information, see the following guides:

- *Release Notes for Cisco Hosted Unified Communications Services (Hosted UCS), Release 7.1(a),* http://www.cisco.com/en/US/docs/voice_ip_comm/hucs/7.1a/release/hucrn71a.html
- *Software Support Matrix for Cisco Hosted Unified Communications Services (Hosted UCS), Release 7.1(a)* http://www.cisco.com/en/US/docs/voice_ip_comm/hucs/7.1a/softwarematrix/hucsmatrix71a.html
- *Getting Started with Cisco Hosted Unified Communications Services, Release 7.1(a)* http://www.cisco.com/en/US/docs/voice_ip_comm/hucs/7.1a/user/getstart7.1a.html
- *Solutions Reference Network Design for Cisco Hosted Unified Communications Services (Hosted UCS), Release 7.1(a)*

  To obtain a copy of the Solution Reference Network Design document for Cisco Hosted Unified Communications Services, Release 7.1(a), contact your Cisco representative.

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly What’s New in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:

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

Cisco Product Security Overview

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at: http://www.cisco.com/wwl/export/crypto/tool/stqrg.html. If you require further assistance please contact us by sending email to export@cisco.com.

Document Conventions

This document uses the following conventions:

Convention	Description
boldface font	Commands and keywords are in **boldface**.
italic font	Arguments for which you supply values are in *italics*.
[ ]	Elements in square brackets are optional.
{ x | y | z }	Alternative keywords are grouped in braces and separated by vertical bars.
[x | y | z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
`screen` font	Terminal sessions and information the system displays are in `screen` font.
`boldface screen` font	Information you must enter is in **`boldface screen`** font.
italic screen font	Arguments for which you supply values are in *italic screen* font.
^	The symbol ^ represents the key labeled Control—for example, the key combination ^D in a screen display means hold down the Control key while you press the D key.
< >	Nonprinting characters, such as passwords are in angle brackets.

Note Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.

Caution Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Warnings use the following convention:

Warning **IMPORTANT SAFETY INSTRUCTIONS**

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device. Statement 1071

SAVE THESE INSTRUCTIONS