containerized Multi-Access Gateway – controller

Release 26.10

Guide to Documentation

3HE 22217 AAAC TQZZA
Edition: 01
October 2026

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Table of contents

List of tables 4

1 About this guide 5

2 cMAG-c documentation suite 6

3 Accessing documentation 9

4 Technical support 10

5 How to give feedback on documentation 11

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List of tables

Table 1: cMAG-c software guides..... 6

Table 2: SR OS software guides relevant to the operation of cMAG-c..... 8

Table 3: SR Linux software guides relevant to the operation of cMAG-c..... 8

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1 About this guide

This guide provides information about the containerized Multi-Access Gateway – controller (cMAG-c) user guides, including:

- software guides and other documents in this documentation suite
- accessing the documentation
- contact information

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2 cMAG-c documentation suite

This documentation suite covers the software features and functionality of the cMAG-c platform. The documentation suite describes topics such as software installation, functional overview, interface description, and technical reference.

Software guides

The software guides describe specific software functionality for the cMAG-c platform. The guides are organized into functional chapters that describe concepts, implementation flow, and the command line interface (CLI) syntax and command usage. See Accessing documentation for information about accessing software guides.

Intended audience legend:

- A – network architects and designers
- B – installers
- C – network technicians, administrators, operators, and service providers

The following tables describes the software guides in this documentation suite and the intended audience for each guide.

Table 1: cMAG-c software guides

Document	Description	Intended audience		
		A	B	C
Overview				
cMAG-c Overview Guide	Describes the Nokia containerized Multi-Access Gateway – controller, the control-plane component of the control and user plane separation (CUPS) solution, which is built on SR Linux and deployed on Kubernetes and manages the SR-based user plane (MAG-u) for BNG CUPS	✓	✓	✓
Install and commission				
cMAG-c Installation Guide	Describes how to install the cMAG-c software and defines the prerequisites and procedures to install the cMAG-c elements		✓	✓
Operate and maintain				
cMAG-c Control Plane Function Guide	Describes the Nokia control plane (CP) functionality and provides concepts and descriptions of the implementation flow,	✓		✓

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Document	Description	Intended audience		
		A	B	C
	CLI syntax, and command usage for the cMAG-c solution			
cMAG-c Geo-redundancy Guide	Describes the Nokia cMAG-c Geo-redundant implementation and related tasks for administrative users who manage post-installation tasks for geo-redundant deployment and failover scenarios	✓		✓
Monitor and troubleshoot				
cMAG-c Log Events Reference Guide	Provides general information about log events			✓
cMAG-c Log Events Search Tool	Provides general information about log events as a searchable HTML list			✓
Reference				
cMAG-c Data Model Guide	Gives general information about the configuration and state data models available for the Nokia cMAG-c and describes the predefined show reports	✓	✓	✓
cMAG-c CLI and Data Model Explorer	Allows users to browse through the configuration and state model for the Nokia cMAG-c and access detailed information for each transaction	✓	✓	✓
cMAG-c RADIUS Attributes and IU Triggers	Describes all supported RADIUS attributes and RADIUS interim update (IU) triggers in a searchable HTML list			✓
cMAG-c TPSDA Python 3 API	Describes the APIs used by Python developers to interact with various TPSDA protocols and applications on the cMAG-c	✓		✓
7250 IXR, 7450 ESS, 7705 SAR Gen 2, 7750 SR, 7950 XRS, MAG-c, cMAG-c, and VSR Pay-as-You-Grow Licensing Reference Guide	Describes SR OS Pay-As-You-Grow licensing, including FP4 licensing upgrades	✓	✓	✓

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Table 2: SR OS software guides relevant to the operation of cMAG-c

Document	Description	Intended audience		
		A	B	C
7750 SR and VSR BNG CUPS User Plane Function Guide	Describes all aspects of the broadband network gateway (BNG) user plane function (UPF) in a BNG control and user plane separation (CUPS) system, and specifically the NokiaMAG-u as it functions with, and is managed by the cMAG-c as a BNG CUPS solution	✓		✓

Table 3: SR Linux software guides relevant to the operation of cMAG-c

Document	Description	Intended audience		
		A	B	C
SR Linux Configuration Basics Guide	Describes basic configuration of the Nokia Service Router Linux (SR Linux) including examples of commonly used commands	✓		✓
SR Linux System Management Guide	Describes the CLI, gNMI, JSON, and NETCONF interfaces used with the Nokia Service Router Linux (SR Linux), and provides an overview of the CLI plug-ins and Nokia-defined operation and show commands	✓		✓

Release Notes and Features Release Reference

The *cMAG-c Release Notes* are not included with the cMAG-c software documentation package. See Accessing documentation for information about accessing the Release Notes.

The Features Release Reference is no longer updated. The feature description in the "New features and enhancements" section of the *cMAG-c Release Notes* indicates if the feature requires support on the 7750 Service Router (7750 SR) and Virtualized Service Router (VSR).

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3 Accessing documentation

The Nokia cMAG-c customer documentation can be accessed through WebHelp or through the Nokia Documentation Center.

The *cMAG-c Installation Guide* and the *cMAG-c Release Notes* in the cMAG-c documentation set are restricted (authentication is required).

The unrestricted cMAG-c user guides can be accessed using a search engine. For best results, search using the term "cMAG-c" followed by the current release and any applicable keywords.



Note: Depending on your account permissions and login status, you may not be authorized to display or download restricted guides (indicated by a lock or key symbol). If the guide remains locked after a valid login, contact a Nokia technical support representative to check your account permissions.

The cMAG-c software documentation is available in the following formats:

- WebHelp HTML
- downloadable HTML library (WebHelp format)
- PDFs of each guide
- a ZIP file of all PDFs in the documentation suite

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4 Technical support

Customer support representatives are available to assist you 24 hours a day, 7 days a week. To contact Technical Support, visit the Nokia Support portal: https://customer.nokia.com/support/s/.

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5 How to give feedback on documentation

You can use the following methods to report issues with the documentation, including errors or areas that need clarification, or to provide suggestions for improvement:

- **email**

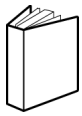
  Send your feedback in an email to documentation.feedback@nokia.com. Include the guide name, topic, and release.

- **online WebHelp**

  In the online WebHelp click the feedback icon next to the topic title. Use the pop-up to provide your comments about the topic.

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