



CMP v8.0.2 - Product Release Note

4th June 2019

Version: 1.0

Find out how **MDS Global** makes it easy.

mdsglobal.com

Copyright

© THE CONTENTS OF THIS DOCUMENT ARE THE COPYRIGHT OF MDS GLOBAL LTD. ALL RIGHTS RESERVED. THIS DOCUMENT OR PARTS THEREOF MAY NOT BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF MDS GLOBAL.

Confidentiality

This document contains information that is proprietary to MDS Global and is confidential. The original recipient of this document may duplicate this document in whole or in part for internal distribution only, provided that this entire notice appears in all copies. This document and its contents may not otherwise be reproduced, distributed or disclosed. The recipient agrees to make every effort to prevent the unauthorised use, distribution or disclosure of the proprietary information contained in this document.

Disclaimer

No representation or warranty is contained in, made or given by this document or the information contained within it and no warranty or representation is made or to be implied that the information contained in this document is complete, up to date, accurate or fit for the purpose for which this document is supplied. In no event shall MDS Global be liable for incidental or consequential damages or loss in connection with, or arising from its use, whether MDS Global was made aware of the probability of such damages or loss arising or not.

Trademarks

The grey and red symbol above is an unregistered trademark of MDS Global Ltd. Other trademarks referred to within this document are the property of their respective trademark holders.

Further Information

Please visit www.mdsglobal.com for further information on MDS Global products, solutions and services.

ISO 22301 standard is applicable to MDS Global Business Operations.



Contents

1.0	Introduction	1
1.1	Scope	1
1.2	Audience	1
2.0	Release Scope	2
2.1	Core CMP Modules	2
2.2	UK-specific Adaptors	3
2.3	Openet-specific Adaptors	4
3.0	New and Changed Functionality	5
3.1	Introduction	5
3.2	Network Provisioning Changes	5
3.2.1	Provisioning Job	5
3.2.2	Action Monitor Job	5
3.3	Configuration Centre Changes	5
3.3.1	Price Plans	5
3.4	New Openet-specific Adaptors	5
3.4.1	Openet Provisioning Adapter	5
3.4.2	Openet Usage Adapter	6
3.5	Changed RESTful Web Services	6
3.5.1	Contact Details Web Service	6
3.5.2	Invoices Web Service	6
3.5.3	Usages Web Service	6
3.6	New Datawarehouse Extract	6
3.6.1	Billed Usage Analytics Extract	6
3.7	Enhanced Data Deployment	6
4.0	Solved Issues	8
5.0	Documentation	9
5.1	Online Help	9
5.2	Product Documentation	9
6.0	Release Upgrade Path	10

1.0 Introduction

1.1 Scope

This document provides an overview of the CMP 8.0.2 release with specific focus on the additional functional and non-functional enhancements with respect to CMP 8.0.1

1.2 Audience

This document is intended for both internal and external use for readers familiar with CMP to explain the key features of the release including any changes in the way existing functions or processes are working.

2.0 Release Scope

2.1 Core CMP Modules

The following modules form the basis of the CMP 8.0.2 release:

Module	Version
agent-view	8.0.125
agent-view-interfaces-layer	8.0.282
configuration-centre	8.0.86
published-interfaces-layer	8.0.104
rest-ws	1.4.312
soap-ws	8.0.83
wso2is-login	1.0.16
sabre-action-monitor	1.4.76
sabre-analyser-extract	1.4.51
sabre-batch-error-management	1.4.8
sabre-bill-print	1.4.76
sabre-bottomline-pdf-collection-adapter	1.4.2
sabre-comms	1.4.449
sabre-credit-control	1.4.153
sabre-credit-reference	1.4.93
sabre-dal	1.4.873
sabre-data-warehouse	1.4.232
sabre-debt-recovery-agency	1.4.114
sabre-gdpr-purge	1.4.55
sabre-generic-activity-adapter-daemon	1.4.6
sabre-generic-postingout-daemon	1.4.31
sabre-invoice-posting	1.4.68
sabre-invoice-production	1.4.205
sabre-ledger-monitor	1.4.47
sabre-managed-number-monitor	1.4.20
sabre-managed-numbers	1.4.53
sabre-mandate-registrations	1.4.55
sabre-mandate-revisions	1.4.68
sabre-mdsledger-adapter	1.4.17
sabre-non-recurring-payments	1.4.69
sabre-provisioning	1.4.68
sabre-rated-charge	1.4.126
sabre-rated-usage	1.4.98
sabre-recurring-payments	1.4.187
sabre-server	1.4.833

sabre-sim-profile	1.4.40
sabre-simulator	1.4.201
sabre-statement-production	1.4.94
sabre-usage-archiving	1.4.101
sabre-workflow-monitor	1.4.38
role-extender	8.0.34
setup-utility	1.0.30

In addition, the following third-party components are included:

Module	Version
wso2is	5.7.0-7
jboss-postgres-jdbc-driver-eap7	1.0-27
webswing	2.5.5-29

The third-party components above are dependent on the following configuration modules:

Module	Version
jboss-aviewiface-configuration-eap7	1.0-27
jboss-ccentre-configuration-eap7	1.0-27
jboss-pil-configuration-eap7	1.0-27
jboss-soapws-configuration-eap7	1.0-27

2.2 UK-specific Adaptors

The following modules are provided specifically for the UK market to support BACS direct debit payments and credit reference extracts to Equifax:

Module	Version
sabre-addacs-transformation-adapter	1.4.8
sabre-arucs-transformation-adapter	1.4.9
sabre-auddis-transformation-adapter	1.4.4
sabre-auddis-transformation-inbound-adapter	1.4.7
sabre-awacs-transformation-adapter	1.4.6
sabre-recurring-bank-payments-bacs-adapter	1.4.59
sabre-equifax-insight2001	1.4.43

2.3 Openet-specific Adapters

The following modules are provided specifically for a Real Time Charging environment to support use of Openet Policy and Charging Control (PCC) as an external Online Charging System (OCS) integrated to CMP:

Module	Version
sabre-openet-provisioning-adapter	1.4.38
sabre-openet-usage-adapter	1.4.6

3.0 New and Changed Functionality

3.1 Introduction

The functional and non-functional changes that constitute the CMP 8.0.2 release can be summarised as follows:

- Network Provisioning Changes
- Configuration Centre Changes
- New Openet-specific Adapters
- Changed RESTful Web Services
- New Data Warehouse Extract
- Enhanced Data Deployment

3.2 Network Provisioning Changes

3.2.1 Provisioning Job

CMP distinguishes between scenarios where it is permissible or not to send multiple commands for the same subscriber in parallel to the network. If parallelism is allowed then multiple commands are submitted at once and if it is not then commands are sent one by one.

CMP processes non-network actions that are to be considered successful without being sent to the network. These are used to synchronise CMP with an existing external network state.

3.2.2 Action Monitor Job

When a network action is unsuccessful, CMP updates subsequent actions for the same event so that they are not transmitted to the network.

3.3 Configuration Centre Changes

3.3.1 Price Plans

Screens have been updated as follows:

- Price Plan List screen includes additional columns to provide clearer summary information
- Add, Edit and View Price Plan include a billing type of Postpaid or Prepaid to drive tariff and package selection

3.4 New Openet-specific Adapters

3.4.1 Openet Provisioning Adapter

When CMP is being used in conjunction with Openet PCC as an Online Charging System (OCS), subscribers created in CMP and requiring Real Time control of their usage need to be provisioned to Openet PCC along with any allowances.

CMP consumes standard JSON format provisioning requests and connects subscriptions on Openet PCC via its standard API using a three-stage process:

- Creation of an inactive subscription
- Addition of allowances
- Activation of the subscription

3.4.2 Openet Usage Adapter

When CMP is being used in conjunction with Openet PCC as an Online Charging System (OCS) rated usage generated by Openet PCC for CMP subscribers needs to be loaded into CMP for consultation and subsequently for inclusion on invoices.

CMP collects rated usage files in the proprietary unaggregated rated usage format from Openet PCC via SFTP and transforms them to the standard CMP rated usage JSON format so that they are ready to be processed by the CMP Rated Usage Loader.

3.5 Changed RESTful Web Services

3.5.1 Contact Details Web Service

The GET response has been updated to also include delivery address information.

3.5.2 Invoices Web Service

The GET response has been updated to return invoice header and invoice line information with a JSON content type when previously only the PDF content type was supported.

3.5.3 Usages Web Service

The GET response has been updated to support billed usage as well as unbilled and prepaid usage.

3.6 New Datawarehouse Extract

3.6.1 Billed Usage Analytics Extract

CMP generates a comma delimited flat file of Billed Rated Usage destined for an external Datawarehouse.

3.7 Enhanced Data Deployment

When performing a totally new installation of CMP, the installer now includes a setting to define the data to be populated into the database.

Using this setting, the following categories of data can be populated by the installer:

- **Factory Configuration** - Data that is required for the basic operation of CMP, should never be changed manually in the deployed CMP installation and will be maintained by the installer as part of future software upgrades
- **System & Business Configuration** - Data that is very infrequently changed in a CMP installation once initially set. Example data is provided which will likely form a good foundation for the configuration of CMP, but aspects will probably need to be initially modified. This data will not be overwritten or updated as part of future software upgrades.
- **Project Configuration** - Data that will always be specific to each CMP installation and will frequently change. Example data is provided that could be used as a foundation for the configuration of CMP, but which is more likely to only be of use for demonstration or test purposes. This data will not be overwritten or updated as part of future software upgrades.
- **Base Customer Entities** - Example customers, accounts and subscribers with other related data. This is only designed to be used for demonstration and test purposes. This data will not be overwritten or updated as part of future software upgrades.
- **Customer Transactions** - Example transactions for customers such as bills and usage with other related data. This is only designed to be used for demonstration and test purposes. This data will not be overwritten or updated as part of future software upgrades.

The installer only takes a single data population option, defaulting to Factory Configuration if none is specified. This is as the options are hierarchical with each one building on the levels before it. For example, selecting Base Customer Entities will also automatically and mandatorily populate Factory Configuration, Business Configuration and Project Configuration as well.

4.0 Solved Issues

The following issues have been addressed within this release:

Reference	Title
PS-34	Config Centre - Unable to Load the Comms Aliases Screen
PS-43	Statement Production Issues Under Load
PS-45	Config Centre – Service Deletion
PS-46	Config Centre – Usage Class Deletion
PS-60	Invoice Production missing usage on same day as Next Expected Invoice
PS-61	Batch – Bill Print Extract Daemon
PS-62	Admin Console – Favicon Missing
PS-63	Admin Console – Unnecessary Username/Password length restriction
PS-64	Admin Console – Discarded count not displayed
PS-65	Config Centre – Price Plans Issues
PS-70	Usage Archiving – Properties not visible
PS-78	Config Centre – Action Code Maintenance
PS-83	BACS Adapter Reason Codes
PS-90	BACS Adapter Metadata
PS-92	Config Centre – Add Tariff
PS-108	Invoice Production – Subscription Service not billed for
PS-111	Invoice Production – Expired per bill Subscription staying active
PS-151	Generate Event – Shared Service – Actions not processed in sequence
PS-152	Action Monitor Job – Dropped Confirm – Inconsistent handling
PS-163	Config Centre – Credit Control Procedures – Edit Issue
PS-172	Rated Charge – JSON Typo
PS-195	Invalid links in Business Config screen for some jobs in Admin Console
PS-235	Analytics Job Probes not returning correct results
PS-245	Installation - One login for cloud repository
PS-246	Installation - Conflicting default port numbers
PS-247	Installation - Do not tie installation to a specific repository
PS-248	Installation - Remove state from inventory file
PS-250	Installation - Misspelling in Ansible Config
PS-251	Installation - YAML indentation issue

5.0 Documentation

5.1 Online Help

The Administration Console online help has been updated for each module to include a description of the properties that can be set.

5.2 Product Documentation

The product documentation is available online at <https://cmp-docs.com/Content/Home.htm>. This online portal requires authorised access which can be obtained by contacting MDS Global support. The documentation is also available as downloadable PDFs as follows:

Document	Version	Status
CMP 8.0 Installation Guide	1.2	Updated
CMP 8.0 Overview	1.0	Existing
CMP 8.0 Technical Architecture	1.0	Existing
CMP 8.0 Functional Overview	1.0	Existing
CMP 8.0 Operational Overview	1.0	Existing
CMP 8.0 Technical Integration Guide	1.0	Existing
CMP 8.0 Business Configuration Guide	1.0	Existing
CMP 8.0 Billing Functionality Guide	1.0	Existing
CMP 8.0 Payments Functionality Guide	1.0	Existing
CMP 8.0 Online Analytics	1.0	Existing
CMP 8.0 RESTful Web Services API Guide	1.0	New
CMP 8.0 Standard Reporting Guide	1.1	Updated
CMP 8.0 Extracts Guide	1.0	Existing
CMP 8.0 SOAP Web Services Semantics Guide	1.2	Existing
CMP 8.0 Purge Guide	1.0	Existing
CMP 8.0 Glossary	1.0	Existing

6.0 Release Upgrade Path

The CMP 8.0.2 installer does not support upgrade from any previous CMP version. It is therefore necessary to completely remove any previous versions of CMP 8.x, associated data and scripts prior to installation. This approach has been taken due to significant improvements to the installer and tuning of the database structure and in the knowledge that there are no production or near-production ready installations of previous CMP 8.x versions.

The CMP 8.0.3 installer will include the capability to upgrade a CMP 8.0.2 installation without the loss of configuration or customer data provided that the software, file system and database structure of the installation in question are at no point manually modified.