



CMP v8.1 - Product Release Note

28th October 2019

Version: 1.1

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1.0 Introduction

1.1 Scope

This document provides an overview of the CMP 8.1 release with specific focus on the additional functional and non-functional enhancements with respect to CMP 8.0.3.

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 how existing functions or processes are working.

2.0 Release Scope

2.1 Core CMP Modules

The following modules form the basis of the CMP 8.1 release:

Module	Version
agent-view	8.1.293
agent-view-interfaces-layer	8.1.706
agent-view-servlet	8.1.16
configuration-centre	8.1.399
published-interfaces-layer	8.1.127
rest-ws	2.0.541
soap-ws	8.1.102
role-extender	8.1.52
wso2is-login	1.1.20
sabre-action-monitor	2.0.105
sabre-batch-error-management	2.0.11
sabre-bill-print	2.0.114
sabre-comms	2.0.484
sabre-credit-control	2.0.170
sabre-credit-reference	2.0.108
sabre-dal	2.0.989
sabre-data-warehouse	2.0.247
sabre-debt-recovery-agency	2.0.130
sabre-edit-subscription	1.4.22
sabre-external-configuration	2.0.7
sabre-external-reference-upload	1.4.15
sabre-gdpr-purge	2.0.68
sabre-generic-activity-adapter-daemon	2.0.10
sabre-generic-postingout-daemon	2.0.38
sabre-invoice-posting	2.0.87
sabre-invoice-production	2.0.242
sabre-ledger-monitor	2.0.64
sabre-managed-number-monitor	2.0.27
sabre-managed-numbers	2.0.66
sabre-mandate-registrations	2.0.64
sabre-mandate-revisions	2.0.86
sabre-mdsledger-adapter	2.0.30
sabre-non-recurring-payments	2.0.78
sabre-provisioning	2.0.137
sabre-rated-charge	2.0.140
sabre-rated-usage	2.0.114
Sabre-receipt-print	2.0.14

sabre-recurring-payments	2.0.210
sabre-server	1.5.992
sabre-sim-profile	2.0.52
sabre-simulator	2.0.228
sabre-statement-production	2.0.104
sabre-usage-archiving	2.0.109
sabre-workflow-monitor	2.0.52
setup-utility	1.0.35

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

Module	Version
wso2is	5.7.0-17
jboss-postgres-jdbc-driver-eap7	1.0-32
webswing	2.5.5-37

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

Module	Version
jboss-aviewiface-address-lookup-interface-eap7	8.1-706
jboss-aviewiface-common-eap7	8.1-687
jboss-aviewiface-configuration-eap7	1.0-32
jboss-ccentre-configuration-eap7	1.0-32
jboss-pil-configuration-eap7	1.0-32
jboss-soapws-configuration-eap7	1.0-32

2.2 Optional CMP Modules

The following modules are not part of the core CMP 8.1 release but are considered optional modules that can be installed if required based on the specific installation requirements:

Module	Version
sabre-analyser-extract	2.0.58
sabre-bottomline-pdf-collection-adapter	2.0.7
sabre-bulk-action-framework	1.4.52

If any of these modules are required for the installation, then they should be added to the 'additional_modules' section of the inventory file.

2.3 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	2.0.16
sabre-arucs-transformation-adapter	2.0.18
sabre-auddis-transformation-adapter	2.0.17
sabre-auddis-transformation-inbound-adapter	2.0.15
sabre-awacs-transformation-adapter	2.0.14
sabre-recurring-bank-payments-bacs-adapter	2.0.71
sabre-bacs-transformation-adapter	2.0.10
sabre-equifax-insight2001	2.0.50
sabre-experian-transformation-adapter	2.0.11

Note that these modules are not installed by default and if required should be added to the 'additional_modules' section of the inventory file.

2.4 OCS-specific Adapters

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

Module	Version
sabre-matrix-usage-transformation-daemon	2.0.26
sabre-openet-provisioning-adapter	2.0.89
sabre-openet-usage-adapter	2.0.33

Note that these modules are not installed by default and if required should be added to the 'additional_modules' section of the inventory file.

3.0 New and Changed Functionality

3.1 Introduction

The functional and non-functional changes that constitute the CMP 8.1 release are as follows:

- New and changed AgentView screens
- Admin Console changes
- New and changed Business Configuration screens
- RESTful web services changes
- Optional CMP Modules
- Openet-specific adapter changes.

3.2 AgentView Changes

3.2.1 New Screens

3.2.1.1 Account Purchase Bottom Panel

A new menu option has been added to the 'Financials' option of the Account Summary screen to show all account purchases. Records can be filtered based on the purchase status using the available dropdown.

3.2.1.2 End Allowance Popup Panel

CMP 8.1 introduces the ability to end a recurring bolt-on package with one or more recurring allowances. An allowance can be ended by right-clicking on the specific allowance in the Effective Allowances mini panel on the Subscription Screen. The new popup panel is displayed with the end date defaulted to the expiry Date of the current Allowance instance. From here the recurring allowance can be ended.

3.2.1.3 Subscription Purchase Bottom Panel

A new menu option has been added to the Financials option of the Subscription Summary screen to show all subscription purchases. Records can be filtered based on the purchase status using the available dropdown.

Right clicking on this panel enables the user to request a receipt for a highlighted prepaid bolt-on or top-up purchase as well as enables purchase of an additional bolt-on or top-up product.

3.2.1.4 Subscription Purchased Products Mini Panel

A new Purchased Products mini panel has been added to the Subscription Summary screen to show all the completed purchases for that subscription. The panel displays the purchase date/time, the type of purchase (Bolt-on or Top-up) and the price.

Right clicking on this panel enables the user to request a receipt for a highlighted prepaid bolt-on or top-up purchase as well as enabling the user to purchase an additional bolt-on or top-up on behalf of the subscriber.

3.2.1.5 Purchase Product Popup Panel

Right clicking on either the Subscription Purchase bottom panel or mini panel brings up the Purchase A Product screen to enable the user to purchase a bolt-on or top-up product on behalf of the subscriber. Available products can be filtered by type and whether they are recurring or not. A future effective date can be entered for bolt-on purchases that are not to take effect today. For prepaid bolt-on or top-up purchases (card purchases), the user can optionally request a receipt.

3.2.1.6 Usage Caps Bottom Panel

The CMP 8.0.3 Post Paid Caps screen that was accessible from the main Billing menu option has been replaced by the 'Usage Caps' screen to align with the new implementation of caps and support for usage caps both postpaid and prepaid subscriptions. The screen shows the caps that have been applied to the subscription, the cap amount and the status with respect to provisioning on the OCS.

Right clicking on the Usage Caps Bottom Panel provides the option to Add a new usage cap. Clicking Add invokes the new Maintain Subscription Usage Cap popup screen.

If the user right clicks on an existing cap record then the Change, Delete and History options are enabled to allow the user to change an existing cap amount, remove an existing cap or show the history of changes for a specific cap. Note that the 'Remove' and 'History' options are not currently supported in CMP 8.1.

3.2.1.7 Maintain Subscription Usage Cap

Clicking the Add or Change usage cap option from the Usage Caps bottom panel will invoke the Maintain Subscription Usage Caps popup. From here the user can select a usage cap (Add) or modify the cap amount of an existing usage cap (Change). When modifying an existing cap, the new amount cannot exceed the maximum cap amount defined for that usage cap.

Note, it is only possible to add a single full cap (all usage) to a subscription but multiple partial caps (specific usage type) can be added.

3.2.1.8 Bill Cycle Changes Mini Panel

A new mini panel has been introduced to the Agreement Summary screen to show bill cycle change history. If the bill cycle change is in a status of 'Open/Unresolved' or 'Pending auto processing' then right clicking on the record gives the option to cancel the pending change.

3.2.2 Changed Screens

3.2.2.1 Account Summary Screen - Purchases Mini Panel

The Account Purchases panel that was introduced in CMP 8.0.3 has been enhanced to only show complete purchases. Purchase that are in progressed or errored are displayed in the new Account Purchases Bottom panel (see section 3.2.1.1).

3.2.2.2 Subscription Summary Screen - Allowance Bottom Panel

The Allowance bottom panel on the Subscription Summary screen has been modified to indicate whether an allowance has already been ended. A tick in the column indicates that the allowance has been ended. In addition, the existing effective and expiry dates have been enhanced to show the time portion as well as the date.

3.3 Admin Console Changes

3.3.1 New Jobs

3.3.1.1 External Reference Upload

The External Reference Upload job enables a list of references that are external to CMP entities to be loaded into CMP database for information purposes. A new daemon job has also been made available that will detect new External Reference files and process them.

At the moment the external reference data is simply stored in CMP, there is no associated functionality implemented to use these references within the CMP application.

A new JSON schema is available to support the upload of external references.

3.3.1.2 Receipt Print

A new job has been created to generate a receipt for one-off purchases that includes a tax reference to enable a customer to claim tax back. This applies to one-off prepay purchases for top-ups or bolt-on products. The receipt is not generated immediately at the point of purchase but is made available to the customer at a later point. A receipt can also be requested after the purchase has taken place.

The job produces an extract that can be provided to a third-party print bureau if required. The third party will produce a PDF invoice will be will emailed directly to the customer and will also be available for viewing in AgentView.

A new JSON schema is available to support the Receipt Print job.

3.3.2 Changed Jobs

3.3.2.1 SIM Profiles

The SIM Profiles job has been updated in line with the updated JSON schema that now supports a more comprehensive list of SIM profile attributes.

3.3.2.2 Bill Print

The Bill Print job has been extended to better support SMEs by extracting the company name and company registration number to the JSON Bill Print output supplied to the print bureau.

3.3.2.3 Other Batch Interface Changes

The following additional minor changes have been included in the release:

- The Provisioning Daemon has been extended to include the following additional elements in the JSON provisioning command:

- Event Number, relating to the action item
- command attributes that have been configured against a specific network command
- Action Type, Action Code, Network Action Type, Tariff Code and a flag to indicate if the subscription is connected on the OCS
- SIM Profile details.

3.3.3 Project Configuration

All batch jobs and/or daemons that are visible through the Admin Console have an associated property file. Some of the elements within these property files e.g. URL's, bank account numbers etc need to be configured after a deployment as they are specific to the project environment. When these specific properties are initially deployed they are configured with unusable URL's, dummy account numbers etc.

While the ability exists within the Admin Console to configure all elements of the property files associated with the modules, the configuration is spread across the modules and it becomes difficult to identify whether all deployment configuration has been addressed. To help with this, CMP 8.1 provides a mechanism to alert the user that post deployment configuration is required and provides a new screen to enter the missing configuration. The alert message will persist in the console until all values have been set.

❗ One or more modules contain properties which need to be configured in order to function. Click [here](#) to configure these properties.

Figure 1: Deployment Configuration Alert

Properties to Configure

sabre-bottomline-pdf-collection-adapter	
sabre-bottomline-pdf-collection-adapter.in.properties.username	<input type="text"/>
sabre-bottomline-pdf-collection-adapter.in.options.password	<input type="text"/>
sabre-bottomline-pdf-collection-adapter.in.properties.hostname	<input type="text"/>
sabre-bottomline-pdf-collection-adapter.out.transfer-to-cmp.properties.username	<input type="text"/>
sabre-bottomline-pdf-collection-adapter.out.transfer-to-cmp.options.password	<input type="text"/>
sabre-bottomline-pdf-collection-adapter.out.transfer-to-cmp.properties.hostname	<input type="text"/>

Figure 2: Example Deployment Configuration

Not that there is no validation on the values that can be entered on the new Deployment Configuration screen

3.3.4 Deployed Modules

In CMP 8.0.3, modules that did not deploy correctly were not displayed in the sabre console. In CMP 8.1 these modules are now displayed in the console along with the

reason for failure. If a module fails to deploy because of a property issue, users are able to modify the properties through the Admin Console and redeploy the module.

3.4 Business Configuration Changes

3.4.1 New Screens

3.4.1.1 Network Commands and Network Command Groups

Two new configuration options have been added to support the configuration of network commands that are associated with network actions and define the type of command being sent to the provisioning adaptor for provisioning network components. Network Command Groups are used to group similar actions together.

The Network Commands menu option allows a user to add new network commands, edit existing commands, delete redundant commands and define command attributes sent as part of the network provisioning action.

The Network Command Groups menu option allows a user to add new network command groups, edit existing command groups, delete redundant command groups and associate commands to a command group.

3.4.1.2 Usage Caps

A new set of configuration screen have been added to the Credit Management menu option to enable a user to create and maintain Usage Caps. Screens are provided to show all configured usage caps, add new usage caps, edit existing caps and delete redundant caps. Usage Classes can be linked to caps to define the usage that's associated with a cap.

3.4.2 Changed Screens

3.4.2.1 Action Codes

The Add Action Code screens have been updated to include a dropdown, 'OCS Instruction Type', for network action types. The ability to edit or view the Instruction Type will be supported in the next CMP release.

3.4.2.2 Account Types

The Add, Edit and View screens have been enhanced to add the ability to define a Spend Limit that will be automatically assigned to the account on account creation (this functionality is not implemented in CMP 8.1).

3.4.2.3 Package Services

The Add and Edit Package Service screens have been enhanced to remove the Service Group and Discount Group fields that are not relevant at the Package Service level. In addition, the Rolling Service dropdown has been changed to a checkbox.

3.4.2.4 Price Plan

The Add Price Plan screen has been modified to always show both the Package selection field and the Connection Event Code on screen. In CMP8.0.3, the Package selection and

Connection Event Code were only displayed once a Tariff Code had been selected. In addition, the Corporate Only checkbox has now been disabled by default.

3.4.2.5 Tariff Package Services

The Add and Edit Tariff Package Service screens have been enhanced to remove the Service Group and Discount Group fields that are not relevant at the Tariff Package Service level. In addition, the Rolling Service dropdown has been changed to a checkbox.

3.4.2.6 Services

The Services List screen has been modified to remove the Parent Service column and replace it with two columns to indicate whether the service is to be prorated on installation or termination.

3.5 RESTful Web Services Changes

3.5.1 New Web Services

3.5.1.1 Purchases Web Service

A new GET Purchases Web Service has been implemented to support the retrieval of Purchase and Purchase Details records for an account. The returned records are ordered by purchase date/time in descending order. Records can be filtered by Account and subscription Id.

3.5.1.2 Subscription Usage Caps Web Service

A number of web services have been developed to support the provision, update and retrieval of subscription usage caps:

- The POST web service allows for the addition of a usage cap to a subscription
- The PATCH web service allows an existing usage cap amount to be adjusted and also disabled completely
- GET web services exist to:
 - return information for a single usage cap
 - lists all of the subscription usage caps for a specific subscription
 - list all the subscription usage cap history records relevant to a specific subscription usage cap.

3.5.2 Changed RESTful Web Services

3.5.2.1 Allowances Web Service

The GET Allowances Web Service has been enhanced to indicate whether an allowance has been ended or not.

3.5.2.2 Payments Web Service

The GET Payments web service has been enhanced to support specification of a Purchase Id as part of the request and also to support filtering of results by Purchase Id.

3.5.2.3 Purchases Web Service

The POST Purchases web service has been enhanced to apply restrictions as to what type of package can be purchased using this web service. A purchase cannot be for a base package and the package being purchased must be valid for the subscription's tariff. In addition, when purchasing a bolt-on or top-up package a receipt can optionally be requested. A receipt can only be requested for Prepaid purchases where the subscription has a valid email address defined.

3.6 Optional CMP Modules

3.6.1 Bulk Actions

CMP 8.1 introduces a new capability to support bulk changes of data in CMP. Bulk Actions provides a framework against which individual bulk action jobs can be developed to support different types of bulk changes. The Bulk Action framework is a combination of a web based user interface (Bulk Action UI) and a batch processing framework which is built on top of the CMP Sabre framework.

The Bulk Action UI facilitates the following:

- Viewing Previous Bulk Actions that have been performed
- Allowing the initiation of new Bulk Actions whereby the user can upload an Excel Template which contains data to be applied to a list of CMP entities
- Reports on the outcome of a Bulk Action
- Download of previously generated reports
- Download of Excel templates specific to the various Bulk Actions.

A reference implementation is provided to edit subscriptions in bulk.

3.7 Openet-specific Adapters

3.7.1 Openet Provisioning Adapter

The Openet Provisioning Adapter has been enhanced to support the following subscriber lifecycle events towards the OCS:

- Expire an existing allowance
- MSISDN change
- Bill Cycle change for an active subscriber
- Disconnection of a subscriber by setting the subscription expiry date. For prepaid subscribers an additional check is made for any outstanding balance. If any balance that remains, the amount will be stored in CMP (subscriptionPrepayBalance table) before the subscriber is disconnected.

3.7.2 Openet Rated Usage Adapter

The existing Openet Usage Adapter has been enhanced to be compliant with the format of the usage records generated by version 7.0.3 of the Openet ECS.

4.0 Solved Issues

The following issues have been addressed within this release:

Reference	Area	Description
PS-74	Billing	Subscription - Date Range is Incorrect
PS-134	AgentView	If the Usage Archiving job fails, the usage should still be visible in AgentView
PS-211	Config Centre	Deletion of Comms from Workflow Event is not supported
PS-212	Config Centre	Link Comms to Event panel sizing issues
PS-219	Config Centre	It should be possible to delete a rolling tariff discount record
PS-229	Deployment	Service tax code config - SQL Injection Script
PS-294	System	Systemd kills process before clean-up is complete
PD-296	Deployment	JWS Role fails with missing package
PS-297	Deployment	Allow skipping of NTPD setup/configuration
PS-307	Deployment	JWS configuration is pointing to an incorrect certificate location
PS-321	Deployment	Incorrect SOAP Web Service location in WSDL
PS-335	Deployment	Method to add CA certificates is incorrect for RHEL7
PS-336	Deployment	RPM Deployment fails if YUM is locked/running in another process
PS-347	Billing	Suspend from invoicing feature needs to ignore leading zeroes on account/agreement number
PS-348	AgentView	Agent View - Sales Ledger Adjustment - Select Subscription
PS-361	Workflow	Linked events not created when the initial event contains an action
PS-393	AgentView	Display of base package when selecting price plan on install
PS-394	Admin Console	All Comms job properties should be visible in the console
PS-400	Config Centre	Multiple issues with Event Code configuration
PS-402	Config Centre	Removal of deprecated fields on Action Code screens
PS-404	Config Centre	Not possible to delete a future-dated Tax Rate
PS-405	AgentView	Cater for blank Managed Serial Numbers, PIN Numbers, Network Sub Codes during number change
PS-407	AgentView	Logic to display Per Bill Flag is incorrect
PS-413	AgentView	Update of Sub Serial Numbers incorrect during reconnection wizard
PS-414	AgentView	Worklist filter not working as expected
PS-427	AgentView	Workflow Events Not Resolving when Enabling / Disabling Features
PS-428	AgentView	Feature Charging - apply sub service when enabling feature

PS-429	Provisioning	Correct serial number records in outbound JSON file for number change commands
PS-430	Web Services	WSDL Location Schema incorrect for SOAP web services
PS-431	Deployment	Don't overwrite systemd service files in /usr/lib/systemd
PS-435	Adaptor Framework	Inconsistent Message Body Types in Aggregator
PS-437	Workflow	Handle actioned items that are already confirmed
PS-450	AgentView	Customer View option with the Transactions view throws error.
PS-457	Deployment	Package Missing from v8.0.3 - remote-port-wait
PS-466	Web Services	Extra log messages/incorrect logging level
PS-469	Adaptor	When ActiveMQ is not available, the Openet adapter is trying to process action item and losing it
PS-470	Adaptor	When the OCS is not available, the Openet adapter tries to send a message and loses it
PS-474	Billing	Invoice Production failing when updating invoice run number
PS-496	Deployment	Sabre Server and Sabre DAL modules are not updating when Jenkins deploy job is executed
PS-499	Config Centre	Allowances greater than 1GB are not supported
PS-509	System	WSO2 IS periodically writes a warning message to the log
PS-519	Deployment	Improved self-help when comms and simulator jobs don't start post deployment
PS-520	Deployment	Missing database triggers post 8.0.3 deployment
PS-526	Config Centre	Multiple Add Package Service fixes
PS-529	Config Centre	Multiple Add Service fixes
PS-530	Config Centre	Multiple add Package Service List fixes
PS-531	Admin Console	User has to log in manually when switching over to Config Centre from Admin Console
PS-534	Admin Console	Invalid links to Config Centre from job metadata
PS-535	Admin Console	Invalid Config Centre Metadata Links for Credit Control Monitor job
PS-542	Config Centre	Remove single Allowance restriction on Package Allowances screen
PS-575	Config Centre	Not possible to add an SMS Comms
PS-576	Config Centre	Issues with adding a Push communication
PS-577	Config Centre	Issues with adding multi language communications messages
PS-591	Config Centre	Add Allowance issues for CASH, RATE and BALANCE types
PS-592	Config Centre	Edit Allowance requires additional information on save

5.0 Documentation

5.1 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 8.1 Release Notes	1.0	New
CMP 8.1 Installation Guide	1.0	Updated
CMP 8.1 CMP Overview	1.0	Updated
CMP 8.1 Technical Architecture	1.0	Updated
CMP 8.1 Operational Overview	1.0	Updated
CMP 8.1 Business Configuration Overview	1.0	Updated
CMP 8.1 Billing Functionality Guide	1.0	Updated
CMP 8.1 Payments Functionality Guide	1.0	Updated
CMP 8.1 Online Analytics	1.0	Updated
CMP 8.1 Standard Reporting Guide	1.0	Updated
CMP 8.1 Extracts Guide	1.0	Updated
CMP 8.1 Security Guide	1.0	New
CMP 8.1 SOAP Web Services Semantics Guide	1.0	Updated
CMP 8.1 RESTful Web Services API Guide	1.0	Updated
CMP 8.1 Purge Guide	1.0	Updated
CMP 8.1 Glossary	1.0	Updated

5.1.1 New Documents

5.1.1.1 Security Guide

The Security provides readers with an overview of the CMP security architecture including the use of WSO2 as the identity server for user definition and role-based access. It covers the multi-level role-based security model and preconfigured role groups and roles then enable access to specific applications, AgentView functionality and web services.

5.1.2 Updated Documents

5.1.2.1 CMP Overview

The CMP Overview document has been extended to incorporate the additional information that was provided within the CMP 8.0.3 Functional Overview document. The Functional Overview document has been deprecated in CMP 8.1.

5.1.2.2 Operational Overview

The Operational Overview document has been extended to incorporate the additional information that was provided within the CMP 8.0.3 Administration Console Overview document. The Administration Console Overview document has been deprecated in CMP 8.1.

5.1.2.3 Business Configuration Overview

The Business Configuration Overview document has been updated to align with the changes described in section 3.4.

5.1.2.4 Batch Jobs and JSON Schemas Guide

The Batch Jobs and JSON Schemas Guide has been updated for the changes described in section 3.3.1 and 3.3.2 around Provisioning, the SIM Profile, External References and Receipt Print jobs.

5.1.2.5 RESTful Web Services API Guide

The REST Web Services Guide has been updated in line with the changes specified in section 3.5 as follows:

- New GET Purchases web service that retrieves purchases and purchase details for a specified account
- New Subscription Caps web services to support the creation of a subscription cap, the update of the cap amount and enquiry on existing caps
- Updated GET Allowances web service to indicate whether an allowance has been ended or not.
- Updated GET Payments web service with support of a Purchase Id
- Updated POST Purchases web service to apply restrictions as to what type of package can be purchased and whether a receipt is required.

5.1.2.6 SOAP Web Services Semantics Guide

The SOAP Web Services Guide has been updated to remove SOAP end points that are no longer supported in CMP 8.1

5.1.2.7 Installation Guide

The installation guide has been updated to cover the addition of a Pentaho server (Report server) as a host in the Ansible deployment as well as the deployment of the new Bulk Action. In addition a new property, `max_metaspacesize`, has been added to the JBoss Server properties to prevent some memory issues observed when using the Admin Console.

The CMP 8.1 installation now includes a new Installation Configuration Tool that provides a web-based interface to enable simple configuration of the inventory template file. The installation guide provides details on how to edit the inventory file using the tool.

5.1.3 Deprecated Documents

The following documents have been deprecated as part of CMP 8.1:

- CMP Functional Overview (see section 5.1.2.1)
- CMP Administration Console Overview (See section 5.1.2.2)
- CMP Technical Integration Guide. The document will be updated and re-released as part of the next CMP release.

5.2 Online Help

The Business Configuration Help has been updated in line with the changes described in section 3.4 above.

Note: The online help is best viewed in a browser other than Internet Explorer.

6.0 Release Upgrade Path

The CMP 8.1 installer includes the capability to upgrade a CMP 8.0.3 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. **The one exception to this is that the existing user roles defined in WSO2 will need to be re-applied post installation as some roles have been added and the names of some of the roles have been changed.**

Note that prior to starting the upgrade the sabre-server and sabre-console modules should be stopped.