

API Management



Migration Notes

The following bugfixes and features are subject to migration. Please perform the necessary migration tasks.

API Management	Note
7.6.0	If starting with a clean installation, there is nothing to do. If updating an installation of API Management, follow the steps listed on API Management Migration Notes 7.5.0 -> 7.6.0. There is an issue with the CORS policy. If you are updating to API Management 7.6.0 and want to use this policy, please contact our support. If installing a new API Management 7.6.0, there is nothing to do.
7.5.0	API Management 7.5.0 features a new policy Caching Resources Policy. To use this policy, you have to import the following configuration file: • caching-resources-policy.json Import this file as described on API Management Backup and Restore.
7.3.0	If starting with a clean installation, there is nothing to do. If updating an installation of API Management, follow the steps listed on API Management Migration Notes 7.2.0 -> 7.3.0.
7.2.0	If starting with a clean installation, there is nothing to do. If updating an installation of API Management, follow the steps listed on API Management Migration Notes 7.1.0 -> 7.2.0.

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Release Notes of the API Management Version 7

API Management 7.7.0 (31.03.2021)



As of this version, API Management is not available standalone anymore but only as a component of Scheer PAS. Users who are updating from a lower version need to perform [migration tasks](#).

Bug	Description	Documentation Link
GW-64	Plugins: E2E-CatalogPlugin: Better error messages	
GW-257	REST API: User homepage is accessible by divergent user	
GW-300	REST API: Check REST API Security and Permissions	
GW-324	UI: Cannot delete retired API: Unexpected Server Error	
GW-328	DevPortal: Save of client mapping causes sometimes problems	
GW-335	DevPortal: Optimize Devportal Admin View	
GW-338	Plugins: API Catalog does not load correctly	
GW-349	DevPortal: Check token refresh interval	
GW-357	Gateway: Do not write to response if the connection is already closed (Handle java.lang.IllegalStateException: Response is closed))	
GW-374	Gateway: Problems with "persistent connections" (keep-alive)	

GW-385	DevPortal: Use double quote for base path in html	
GW-394	UI: "Tools" Menu is only visible for apiadmin and not for apiuser	
GW-403	Docker: Fix CVE-2020-13935	
GW-404	Gateway: Gateway does not handle proxy headers that indicate the real ip	
GW-415	Plugins: API Catalog Connection Error	
GW-427	DevPortal: Dev portal: URL contains ? instead of &	
GW-432	Gateway: Exception while unregister client	
GW-447	UI: Filter in API search dialog doesnt work	
GW-457	DevPortal: Load Definition: Re-Publish button is only enabled after refreshing page	
GW-463	UI: Re-register button is not enabled after removing a policy	
GW-465	UI: The boxes on start page should link to "My APIs" etc.	
New Feature	Description	Documentation Link
GW-207	Elasticsearch: Support for Elasticsearch 7	
GW-344	UI: Paging of all APIs/Organizations	
GW-352	DevPortal: Allow download of swagger/wsdli-files in devportal	
GW-354	Plugins: Header Allow/Deny Policy	
GW-359	Plugins: API Catalog: Allow connection to BRIDGE via HTTP	
GW-360	Gateway: Gateway should work without all certificate files	
GW-363	Docker: Kibana SSO Integration	
GW-392	Docker: Change default value for \${API_MGNT_SELF_SIGNED_CERT} to true	
GW-434	Docker: Allow easy configuration for KeycloakOAuthPolicy for Designer Integration	
GW-455	Gateway: Create configuration to use self-signed certificates in PAS	
Improvement	Description	Documentation Link
GW-87	Gateway: API Management REST API	
GW-204	UI: Support new java versions	
GW-255	DevPortal: DevPortal Api-View: List public apis	
GW-310	DevPortal: HTTP Support	
GW-319	Docker: Change default values in .env to match the ones in the documentation	
GW-327	DevPortal: Show name instead of id in editor dialog	
GW-333	Gateway: Change gateway response if the API Endpoint cannot be reached	
GW-336	DevPortal: Handle readonly keycloak users within Devportal	
GW-337	Gateway: Gateway should return which policy causes the error	
GW-339	DevPortal: Beautify "Add Developer" button	
GW-343	UI: Allow only Javascript Number.MAX_SAFE_INTEGER for rate limiting policy in the UI	

GW-348	Plugins: Validate the input of all policies to avoid wrong configuration	
GW-353	REST API: REST API should not send the full stacktrace in the response	
GW-365	Elasticsearch: Optimize index creation for ES 7	
GW-395	DevPortal: Make online resources offline available	
GW-412	DevPortal: Show only users with "devportaluser" role in the list of developers	
GW-430	UI: Update tomcat to 9.0.38 because of security fix	
GW-431	DevPortal: Scrolling for Create Client Mapping	
GW-437	UI: Change heading in DevPortal Administration from "Create" to "Add" Developer	
GW-439	Elasticsearch: Update opendistro dependency to 1.10.1	
GW-440	Plugins: Bridge Integration with SSO Bridge	
GW-444	UI: Importer should log file name at startup	
GW-446	Gateway: CORS improvements for Manager REST API	
GW-448	UI: Improve ES Connection Logging	
GW-451	UI: Default paging should display 12 Orgs/APIs instead of 10	
GW-454	DevPortal: Allow customer to modify links in the about screen	
Sub-task	Description	Documentation Link
GW-347	Docker: Make gateway log level configurable in docker-compose.yml	

API Management 7.6.1 (27.02.2020)



Contains:

Elasticsearch 5.6.16
Kibana 5.6.16
Keycloak 8.0.1
Keycloak-Gatekeeper 7.0.0
MySQL 5.7.28
NGINX nginx:1.17.7-alpine
Tomcat 8.5.50

New Feature	Description
GW-334	Docker: Make keycloak realm configurable

API Management 7.6.0 (03.02.2020)



Contains:

Elasticsearch 5.6.16
Kibana 5.6.16
Keycloak 8.0.1
Keycloak-Gatekeeper 7.0.0
MySQL 5.7.28
NGINX nginx:1.17.7-alpine
Tomcat 8.5.50





Migration Notes 7.5.0 -> 7.6.0

If starting with a clean installation, there is nothing to do. If updating an installation of API Management, follow the steps listed on [API Management Migration Notes 7.5.0 -> 7.6.0](#).



Known Issues:

There is an issue with the CORS policy. If you are updating to API Management 7.6.0 and want to use this policy, please contact our [support](#).
If installing a new API Management 7.6.0, there is nothing to do.

Bug	Description	Documentation Link
GW-62	Plugins: SwaggerDefinition file is only available if the service is running at import	
GW-111	UI: "Copied!" Popup is displayed wrongly	
GW-212	REST API: Fix API-Key Security Issue	
GW-232	UI: API definition loads endlessly if no definition existent	
GW-235	UI: Element status get green when hovering on them	
GW-238	Elasticsearch: API Definition gets not deleted in storage while deleting API	
GW-240	UI: Definition URL is not cloned if you create a new API Version	
GW-256	UI: Broken link on API Details page	
GW-277	UI: Loading of API Definition crashes with some swagger files	
GW-284	REST API: You can not delete an empty API	
GW-288	REST API: Replace Host and Basepath in Swagger Definition also for Devportal Requests	
GW-292	Keycloak: Devportal Admin/User need the account client role 'view-profile'	API Management Migration Notes 7.5.0 -> 7.6.0
GW-321	Plugins: CORS Policy is not working	
New Feature	Description	
GW-109	DevPortal: View for external customers	• Developer Access to APIs • API Management Best Practices • Documenting a REST Service
GW-220	UI: Update API Definition from BRIDGE Service via a Button	
GW-237	UI: Import API Definition (Swagger/WSDL) via URL	
GW-247	DevPortal: REST API for Developer Management (Devportal)	
GW-253	DevPortal: Keycloak Migration/Default Settings for new Devportal	API Management Migration Notes 7.5.0 -> 7.6.0
GW-254	DevPortal: Add export/import functionality for developers (backup and migration)	
GW-263	DevPortal: Admin-View to manage Developers	Managing the Developer Portal
GW-293	Docker: Provide own docker image for nginx-proxy	

GW-322	Gateway: CachingESRegistry: Invalidate Cache is not working	
Improvement	Description	
GW-153	Gateway: Only support one gateway configuration	
GW-242	Gateway: Add REST resource to get gateway endpoint from gateway	
GW-244	UI: Make API Definition URL not clickable in Browser	
GW-260	REST API: Make Swagger Definition URL available for Developer	
GW-264	DevPortal: Change CORS default behavior for devportal	
GW-291	Docker: Update docker images	
GW-307	DevPortal: Add Links for Developer Portal and Kibana in API Management	

API Management 7.5.0 (08.10.2019)



Contains:

Elasticsearch 5.6.14
MySQL 5.7.25
Keycloak(-Gatekeeper) 5.0.0
Kibana 5.6.14



Migration Notes

API Management 7.5.0 features a new policy **Caching Resources Policy**. To use this policy, you have to import the following configuration file:

- [caching-resources-policy.json](#)

Import this file as described on [API Management Backup and Restore](#).

Bug	Description	Documentation Link
GW-186	UI: Swagger file could not be stored - field has to many bytes	
GW-196	Docker: UI not working with keystore password containing &	
GW-210	Policies: Caching Policy throws NullPointerException	
GW-229	Policies: Caching Resources Policy doesn't cache	
New Feature	Description	
GW-60	Gateway: Support xUML Services with HTML UI in the catalog	
GW-138	Gateway: Caching Policy	Caching Resources
GW-185	Elasticsearch: Save source ip of a request in elasticsearch	
Improvement	Description	
GW-39	UI: API definition: export Swagger YAML or WSDL file	

GW-43	UI: Delete plan improvement	
GW-151	Plugins: Support more than one Bridge in API Catalog Plugin	Installing API Management > Step 2: Configure the Installation Settings
GW-155	Elasticsearch: Rate Limiting Policy support for cluster mode	
GW-182	Docker: Extend validity of generated self-signed-certificates to 3 years	
GW-191	Docker: Remove unneeded .p12 file while creating self-signed-certificates	
GW-192	Plugins: JWT Policy: Support signature verification with JWK(S)	
GW-198	Docker: Check if all needed files are present before startup	
GW-199	Plugins: Added source request header for Simple Header Policy	
GW-219	Docker: Shrink/Squash docker images	
GW-226	UI: Fix Cancel Buttons	
GW-231	Docker: Set fix database values for keycloak	

API Management 7.4.0 (24.06.2019)



Contains:

Elasticsearch 5.6.14
MySQL 5.7.25
Keycloak(-Gatekeeper): 5.0.0
Kibana 5.6.14

Bug	Description	Documentation Links
GW-112	Gateway: Swagger "execute" fails: NetworkError when attempting to fetch resource	
GW-123	Plugins: API-Catalog: Show which url you are going to import	
GW-173	Docker: "\$PWD" does not work on windows powershell and command prompt	
GW-175	Plugins: API Catalog is unable to load definition file	
GW-176	Gateway: Rate Limiting Policy fails	
GW-178	UI: IE11: Swagger UI Button Rendering	
GW-193	Gateway: Gateway error messages are broken	
New Feature	Description	
GW-179	Docker: Add kibana and keycloak-gatekeeper as proxy	Installing API Management Setting up Kibana Managing Users and Roles Metrics
Improvement	Description	
GW-152	Docker: Gateway should trust valid certificates	
GW-162	Elasticsearch: Refactor DefaultEs(ES) ClientFactory because it is duplicate code	

GW-169	Docker: Find a better way to create self-signed certificates	Installing API Management
GW-171	Docker: Certificate Handling	
GW-172	Docker: Add configuration files for distributed setups to api-mgmt.zip	
GW-181	Gateway: LDAPS: SocketException: Connection Reset in SSL	
GW-183	Gateway: New default (true) for self-signed certificates flag (SELF_SIGNED)	Installing API Management
GW-184	Docker: Make it possible to disallow older TLS Versions	Advanced API Management Settings > Security Settings

API Management 7.3.0 (2019/01/31)



Contains:

Elasticsearch 5.6.14
MySQL 5.7.25
Keycloak 4.8.3.Final



Migration Notes 7.2.0 -> 7.3.0

If starting with a clean installation, there is nothing to do. If updating an installation of API Management, follow the steps listed on [API Management Migration Notes 7.2.0 -> 7.3.0](#).

Bug	Description	Documentation Link
GW-88	Github: cache clear issue	
GW-125	Support a second gateway	
GW-133	Policies: Rate Limiting Policy: Seems to fail under load	
GW-148	Docker: Login page is broken if self registration is disabled	
GW-149	Docker: The current docker-compose.yml does not work out of the box with Docker for Windows	
GW-154	WSDL file is not loaded via the gateway	Troubleshooting
GW-159	Docker: Endpoint is not correctly displayed in API Mgmt UI	
GW-168	Elasticsearch: Recreation of a plan after delete fails	
New Feature	Description	Documentation Link
GW-121	Improve docker logging and set log rotation for docker logs	API Management Logging
GW-127	Docker: Make elasticsearch host configurable in docker-compose and expose ports	
Improvement	Description	Documentation Link
GW-10	Redirect to login after session timeout	
GW-100	UI: Open links from Catalog to Bridge Service in a new tab	
GW-120	UI: Improve the configuration	API Management Installation Guide pp.
GW-129	Docker: Make aliases in keystore or/and key- and truststores configurable in docker-compose or .env	

GW-130	Docker: Support HTTPS for Elasticsearch (multiple host setup)	
GW-131	Docker: Upgrade to Keycloak 4.5.0 or newer	
GW-134	Docker: How-to support distributed (several hosts) set-up	
GW-143	Docker: Switch to official oss-elasticsearch docker images without X-Pack	see migration notes above this table
GW-158	UI: Change documentation URL on about page	
GW-164	UI: Fix metrics tooltip in UI	
GW-165	Docker: Add project name to docker-compose	

API Management 7.2.0 (2018/11/01)



Migration Notes 7.1.0 -> 7.2.0

If starting with a clean installation, there is nothing to do. If updating an installation of API Management, follow the steps listed on [API Management Migration Notes 7.1.0 -> 7.2.0](#).

Bug	Description	Documentation Link
GW-128	Docker: Switch to official elasticsearch docker images	Installing API Management
GW-135	Connection was closed on exception with runtime	

API Management 7.1.0 (2018/09/19)

API Management 7.1.0 (2018/09/19)

Improvement	Description
GW-117	Manager-UI: Scheer PAS corporate design

API Management 7.0.0 (2018/08/29)

Bug	Description
GW-24	Manager-UI: Swaggerui - Update to 3.17.4
GW-89	Manager-UI: GW: order of the tabs in org details page changes
GW-91	Manager-UI: Client/API/Plan details page misses link for tab
GW-93	Filter of all APIs/Organizations
GW-94	Manager-UI: SwaggerUI does not always work, random errors or wrong URL
GW-96	Manager-UI: API Catalog: show the selected categories
GW-98	Manager-UI: REST API: moreInfo should point to our documentation
GW-103	API Import takes first only if more than one E2ERestPortType is exposed on the same port
GW-104	Manager-UI: Sometimes a Browser authentication opens
GW-118	https endpoints run into cert error from vertex
New Feature	Description
GW-5	API Management: Docker Images

GW-46	CORS Policy
GW-85	Automatically update plugins
Improvement	Description
GW-81	Manager-UI: API Management UI problems
GW-82	Manager-UI: UI: standardization of upper and lower case writing
GW-83	Manager-UI: Change the order of the main menu: Organizations, Clients, APIs, Administration
GW-84	Bridge API 2.7.1 changes
GW-90	Manager-UI: Last (text) corrections - hopefully
GW-102	Update apiman 1.5.0
GW-113	Manager-UI: Create api-mgmt.zip package