

webMethods Microgateway 10.5 Readme

October 2019

This file contains important information you must read before using webMethods Microgateway 10.5. You can find system requirements, user documentation, and installation and upgrade instructions on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find suite-related security and globalization information.

Included in this file is information about functionality that has been added, removed, deprecated, or changed for this product. Deprecated functionality continues to work and is supported by Software AG, but may be removed in a future release. Software AG recommends against using deprecated functionality in new projects.

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1.0 Critical Information

This section lists any critical issues for the current release that were known when this readme was published. For critical information found later, go to the Knowledge Center on the [Empower website](#).

2.0 Known Issues

This section lists any issues for the current release that were known when this readme was published. For known issues found later, go to the Knowledge Center on the [Empower website](#).

- YAM-782
No eviction of UserName cache entries
Microgateway maintains a cache for user information to speed up the delegated authentication. The cache entries are not evicted and or updated properly. This implies that the cache is growing over time and may contain stale entries.

3.0 Usage Notes

This section provides any additional information you need to work with the current release of this product.

4.0 Fixes Included in Each Release

This section lists the latest fix level that has been included in each release for each product component. A release is listed in this section only if changes occurred in that release. Go to Knowledge Center on the [Empower website](#) for detailed information about fixes.

Release 10.4

- YAM_10.4_Fix3

Release 10.3

- YAM_10.3_Fix10

5.0 Other Resolved Issues

This section lists the issues that were resolved in each release but were not part of the fixes listed in the previous section. A release is listed in this section only if changes occurred in that release.

6.0 Documentation Changes

This section describes significant changes to the documentation, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content. A release is listed in this section only if changes occurred in that release.

Release 10.3

The following artifact have been introduced for Microgateway 10.3

- webMethods Microgateway User's Guide

7.0 Terminology Changes

A release is listed in this section only if changes occurred in that release.

8.0 Added, Removed, Deprecated, or Changed Items

This section lists features, functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed. A release is listed in the section only if changes occurred in that release.

Release 10.5

Added Item	Description
Support for additional response processing policies	Microgateway supports the Validate API Specification policy.
Support for additional request processing policies	Microgateway supports the Validate API Specification policy.
Support for additional traffic monitoring policies	Microgateway supports the following traffic monitoring policies: <ul style="list-style-type: none">• Monitor Service Performance• Monitor Service Level Agreement
Enhanced routing policy support	Microgateway supports HTTP Transport security aliases for outbound authentication and service discovery during routing.
Enhanced IAM policy support	Microgateway supports the Authorize User policy and the following application identification types for the Identify & Authorize Application policy: <ul style="list-style-type: none">• Hostname Address• IP Address Range• Payload element• SSL certificate
SSL enhancements	Microgateway provides improved SSL support including the provisioning of SSL truststore and keystores from API Gateway.
Enhanced Prometheus metrics	Microgateway exposes server and JVM runtime metrics in a Prometheus compatible format.
Improved Kubernetes support	Microgateway supports the configuration of all alias types through environment variables. This simplifies the configuration of Microgateway containers in Kubernetes deployment files.

Changed Item	Description
Service registry configuration	<p>The configuration of service registries has changed to enable the configuration of service registries through environment variables. The Microgateway configuration does not support a list of service registry configurations any longer, but now supports a map holding service registry configurations. Each entry is identified by the name of the service registry configuration.</p> <p>The Microgateway does not register all APIs to the configured service registries by default. The registration must be configured explicitly.</p>
Alias configuration	<p>The configuration of aliases has changed to enable the configurations of aliases through environment variables. The Microgateway configuration does not support a list of alias configurations any longer, but now supports a map holding alias configurations. Each entry is identified by the alias name.</p>

Release 10.4

Added Item	Description
Administration configuration enhancements	Microgateway offers improved configuration capabilities. Microgateway configuration can now be configured using a single settings YAML file.
Microgateway management in API Gateway	Microgateways connecting to an API Gateway are registered and exposed in the API Gateway UI. The API Gateway UI now displays the provided APIs and the runtime per Microgateway.
Support API scoping and resource-level policies	Microgateway supports API scoping and resource and method level policy enforcement.
Support for additional IAM policies	Microgateway supports OAuth, JWT, and OpenID policies.
Support request processing policies	Microgateway supports the request processing policies: <ul style="list-style-type: none">▪ Request Transformation and▪ Data Masking
Support additional routing policies	Microgateway supports the following routing policies: <ul style="list-style-type: none">▪ Content-based routing▪ Context-based routing▪ Outbound Authentication (Basic, OAuth, JWT, Anonymous)▪ Service registry support (also for Straight Through routing)
Support response transformation policies	Microgateway supports the following response processing policies: <ul style="list-style-type: none">▪ Response Transformation▪ Data Masking▪ CORS
Support additional error handling policies	Microgateway supports the Data Masking error handling policy.

Added Item	Description
Docker enhancements for Microgateway	<p>Microgateway provides improved Docker support including:</p> <ul style="list-style-type: none"> ▪ Dynamic configuration of Docker images via environment variables ▪ Health checks and graceful shutdown ▪ Improved sidecar deployment ▪ Improved micro service runtime support
Kubernetes support for Microgateway	<p>Microgateway provides support for Kubernetes including:</p> <ul style="list-style-type: none"> ▪ Health and readiness checks ▪ Prometheus metrics ▪ Scripting support for Kubernetes deployment

Changed Item	Description
Usage of Extended settings in API Gateway archive	Extended settings contained in API Gateway archives are no longer considered.
retain_settings	The parameter retain_settings is ignored.

Release 10.3

Added Item	Description
Microgateway provisioning	<p>The Microgateway provisioning allows customers to create multiple Microgateway instances from a single Microgateway installation. The Microgateway provisioning comes in 2 flavors:</p> <ul style="list-style-type: none">▪ Instance based provisioning▪ Docker based provisioning
Asset provisioning	<p>The Microgateway can be configured with assets including APIs, policies applications and aliases. Assets can be provisioned by reading them from a running API Gateway or by reading API Gateway export archives available on the file system.</p>
Runtime policy enforcement	<p>The Microgateway supports a basic set of runtime policies including: Require HTTP or HTTPS, Inbound Authentication - Transport, Identify and Authorize Application, Straight Through Routing, Log Invocation and Conditional Error Processing.</p>

9.0 Copyright Information

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10.0 Support

Visit the [Empower website](#) to learn about support policies and critical alerts, read technical articles and papers, download products and fixes, submit feature/enhancement requests, and more.

Visit the [TECHcommunity website](#) to access additional articles, demos, and tutorials, technical information, samples, useful resources, online discussion forums, and more.

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