



Discover the Future of CORBA

Micro Focus[®] | CORBA[®] Add-on for Cloud, Containers & Virtual Environments 1.1.0

Release Notes

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Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.1.0 Release Notes

These release notes contain information about the Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.1.0 release. They contain information that might not appear elsewhere in the documentation. Read them in their entirety before you install the product.

Installing Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments

For detailed instructions on installing this product, see the *CORBA® Add-on for Cloud, Containers and Virtual Environments Installation and User Guide*. This guide is available from <https://www.microfocus.com/documentation/corba-add-ccve/>. In case of any difficulty, check the documentation link provided in the "Other Resources" section.

CORBA HotFixes

Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments is complemented by HotFixes for supported Micro Focus CORBA products. The installation wizard for Add-on for Cloud, Containers and Virtual Environments guides you through the HotFix installation process.

New Features and Enhancements

Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.1.0 includes the following new features and enhancements:

- [Kubernetes support](#)

Kubernetes support

Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.1.0 introduces support for deploying and running CORBA applications on the open-source container orchestration system Kubernetes.

The supported Kubernetes environments can be:

- An on-premises cluster located within your enterprise.
- A cloud provider cluster, running in an environment such as Amazon AWS, Microsoft Azure, or Google Cloud.

Platforms and Compilers

For a full list of platforms and compilers supported by Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.1.0, see <http://supportline.microfocus.com/prodavail.aspx>

Migration from Previous Versions

To upgrade to Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.1.0 from existing version 1.0 installations:

- Back up your existing installations before you upgrade.
- Run the new installer and install in the previous installation directory to upgrade. See the *Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments Installation and Configuration Guide* for details of the installer.

Known Issues

Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments may be affected by the following known issues:

- [Orbix 6 locator in a Kubernetes pod over a secure connection](#)
- [Only Kubernetes service types of LoadBalancer are currently supported](#)
- [No support for MiniKube](#)

Orbix 6 locator in a Kubernetes pod over a secure connection

When a client running outside Kubernetes makes an invocation to a server running inside Kubernetes across a replicated set of pods, but the server is reached indirectly by the Orbix 6 locator running in each pod, all messages flows are required to occur over the same connection. When running insecurely, this can be achieved by using the `policies:per_request_lb="true"` configuration item. When running securely, running over a single connection is not guaranteed, and can lead to `OBJECT_NOT_EXIST` exceptions being thrown back to the client.

Only Kubernetes service types of LoadBalancer are currently supported

Kubernetes supports multiple service types, and multiple ways to access pods from clients running outside Kubernetes. Currently, only service types of *LoadBalancer* are supported. This requires the Kubernetes cluster to support an external load balancer.

No support for MiniKube

Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments supports CORBA applications in Kubernetes when using LoadBalancer service types. While the MiniKube tool supports LoadBalancer service types, the service will likely show `<pending>` for the `EXTERNAL-IP`. Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments requires an operational IP address or DNS name for the `EXTERNAL-IP`.

For this reason, Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments does not provide support for running CORBA applications when using MiniKube.

Resolved Issues

The resolved issues that customers have reported are listed in this section. The numbers that follow each issue are the Reported Problem Incident number followed by the Customer Incident Numbers (in parentheses). RPIs that have numbers only (and no text) are included to confirm that the RPIs have been fixed, since no further information is required.

Issues resolved in this Service Pack

This section includes issues that are resolved for the first time in this Service Pack.

- 642039
- Docker images based on CentOS now use `FROM centos:centos7` in place of `FROM centos`. Narrowing the CentOS version helps to ensure support for Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments on CentOS.

644334
- Docker images based on Ubuntu now use `FROM ubuntu:18.04` in place of `FROM Ubuntu`. Narrowing the CentOS version helps to ensure support for Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments on Ubuntu.

644335
- When I-DBC is configured with `configs.iDBCProxyCluster1.shared.proxy.proxificationOptions.useAssocOptionsOfTargetIOR` set to `true`, and I-DBC proxifies an IOR that supports secure connections, the security associations from the original IOR were not always set in the proxified IOR. The same associations are now used as in the original IOR.

644336

- Some of the `README.txt` files supplied with Docker examples had incorrect syntax regarding mounting a Docker volume to a Docker container. This has been corrected.

644337

- A `CORBA:OBJECT_NOT_EXIST` exception could be generated when running `untypedPushSupplier` from an external client container. This has been fixed.

1119163 (3215938)

- VisiBroker installations may require multiple license files, not all of which were being applied by the Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments. This has been corrected.

1119472 (3215938)

Other Resources

The following additional resources are available:

- For the latest information on supported platforms and compilers, see <http://supportline.microfocus.com/prodavail.aspx>
- The most up-to-date versions of CORBA® Add-on for Cloud, Containers & Virtual Environments technical documentation are available at: <https://www.microfocus.com/en-us/support/documentation>
- The Orbix and VisiBroker Knowledge Bases are databases of articles that contain practical advice on specific development issues, contributed by developers, support specialists, and customers. These are available at:
 - <https://community.microfocus.com/t5/Orbix-Knowledge-Base/tkb-p/wikiid-155>
 - <https://community.microfocus.com/t5/VisiBroker-Knowledge-Base/tkb-p/wikiid-137>
- Contact Micro Focus SupportLine at: <https://www.microfocus.com/en-us/support>

