



Discover the Future of CORBA

Micro Focus[®] | CORBA[®] Add-on for Cloud, Containers & Virtual Environments 1.2.0

Release Notes

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Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.2.0 Release Notes

These release notes contain information about the Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.2.0 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.

Platforms and Compilers

Operating Systems

- Windows 7, Windows 8.1, Windows 10, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016 with Visual Studio 2008, 2010, 2012, 2013, 2015 and 2017
- Linux on Intel platform support including Red Hat 5, 6, 7 and 8, SUSE 10, 12 and 15 Oracle Unbreakable Linux 6, Ubuntu, CentOS and Fedora.

JDKs

- Oracle JDK 7, 8 and 11
- Open JDK 8 and 11

Kubernetes

Kubernetes support can be either:

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

New Features and Enhancements

C++ 11 ABI with GCC 8 Support

- Ubuntu and Fedora can be used with the Linux GCC 8 installation of VisiBroker 8.5.7 and Orbix 6.3.12.
- The earlier VisiBroker 8.5, Orbix 6 and Orbix 3 Linux GCC 4 installations are also supported with GCC 8.

Migration from Previous Versions

To upgrade to Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments 1.2.0 from existing version 1.0 or 1.1 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](#)
- [Administration Console with Java 11](#)

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.

Administration Console with Java 11

Micro Focus® CORBA® Add-on for Cloud, Containers & Virtual Environments contains the Administration Console which provides a graphical user interface for configuring and managing the IIOP DBC. This tool will not work with Java 11 due to the missing CORBA modules.

Resolved Issues

The numbers that follow each issue are the defect numbers. Any defect numbers which are listed with no issue text are included to confirm that the issues have been fixed, and no further information is required for those issues.

- AdminConsole Java 7 support.

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Other Resources

The following additional resources are available:

- 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>