MICRO FOCUS®

Cloud Assessment

Software Version: 1.01

Windows and Linux Operating System

Support Matrix

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Contents

Chapter 1: Prerequisites and Supported Platforms

Before installing Micro Focus Cloud Assessment you must make sure that the environment you want to install to is appropriate and suitable for your needs.

The following sections describe the requirements and options available:

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Design Your Deployment

- **Development**

  If you are a developer, CIO, or IT manager who wants to learn the functions of Cloud Assessment, this is the correct type of deployment for you. It should be on one machine and preferably on one J2EE server instance.

  Cloud Assessment ships with an embedded application server. Before you run the Micro Focus Cloud Assessment installer, you must setup database and install and configure Java. Oracle XE or MSSQL Express and Oracle JDK 1.8 are satisfactory prerequisites for Cloud Assessment.

  Use the Cloud Assessment installation wizard to install the product following the default settings. Server configuration for the application server is handled within this wizard and in the serverstart and serverstop scripts.

- **Trial Version**

  If you want to evaluate Cloud Assessment, you can download a Virtual Appliance (VA) trial version. You must have a VM host on your computer to run the VA trial version. The trial version contains a 60 instant-on license, which can be renewed.

  To download the trial version, go to https://software.microfocus.com/try. Select **Products > Software > Software A-Z > Free & Trial Software** . Search for the Micro Focus Cloud Assessment Virtual Appliance related downloads and click the **Download** link.

- **Production**

  Deploying Cloud Assessment for use in a production environment is flexible enough to be clustered and linked to a database and directory service on separate machines. If you are creating such a deployment, you should already have a set of tools and procedures for deploying J2EE applications and managing relational databases.

  When you design your Cloud Assessment production environment, you may need additional configuration options that are available in the Cloud Assessment installer wizard as well as in the configuration files.

  Cloud Assessment supports a silent non-wizard installation that can be executed at the command-line in one step. The silent installation can easily be plugged in to higher-level orchestration and deployment engines. For advanced security hardening, decoupled DBA scenarios, or recovery and failover procedures, see the Micro Focus Live Network or the advanced documentation at the Micro Focus Support website.

  For information on silent installation (command line), run the jar file using the `-help` option:

  ```
  java -jar microfocus-cloudassessment-1.01.jar -help
  ```

Prerequisites - Hardware

Micro Focus recommends the following minimum hardware configuration for each physical node of a distributed production environment:

- Intel Xeon E processor family, 8 cores, 32 GB RAM, 40 GB free disk space, 1Gbps network card.
- Network bandwidth of 1 Gb/sec or higher.

For customization and evaluation purposes, Cloud Assessment requires the following hardware:

- Intel Core i7 processor, 16 GB RAM, 40 GB free disk space, 1Gbps network card.
- Network bandwidth of 100Mb/sec or higher.

Warning: SPARC machines are not suitable for Cloud Assessment deployments.

Example:

It is possible to evaluate Cloud Assessment on a system that has the following configuration:

- x64-based PC Intel(R) Core(TM) i7-3720QM CPU @ 2.60GHz, 4 Core(s), 8 Logical Processor(s)
- Physical Memory (RAM) 16 GB
- 500GB HDD Intel(R) 7 Series Chipset Family SATA
- Intel(R) 82579LM Gigabit Network

Prerequisites - JDK Software

Cloud Assessment supports the following JDK:

- Oracle (Sun) JDK 1.8 64-bit

  NOTE:
  Cloud Assessment supports Oracle (Sun) JDK 1.8 in Development Mode only.

- OpenJDK 1.8 64-bit (Linux OS only)

  CAUTION:
  As best practice for security and avoid risk, Micro Focus recommends using the latest version of Oracle JDK.

  Micro Focus also recommends using a 64-bit operating system in conjunction with a 64-bit JDK. 32-bit operating systems may not provide sufficient memory for this version of Cloud Assessment.

To Ensure the Correct JDK is Used:

1. Open a command prompt (cmd in Windows) or a terminal session (UNIX/Linux).
2. Execute `echo %JAVA_HOME%` (Windows) or `echo $JAVA_HOME` (UNIX/Linux).
3. Do one of the following:
   - If JAVA_HOME points to JDK 1.8 then proceed with installation.
   - If JAVA_HOME does not point to JDK 1.8 then reset the JAVA_HOME environment variable to a valid JDK 1.8.

Warning: If you have both a JDK and JRE installed, JAVA_HOME must point to a valid JDK.

Supported Database Types

Cloud Assessment supports the following databases:

- Oracle 12c
- Microsoft SQL Server 2014

- PostgreSQL 9.5

> **NOTE:**
> Cloud Assessment supports PostgreSQL database in Development Mode only.

Cloud Assessment supports deployment to the following database and driver combinations:

Supported Database Drivers

Database	DB Version	Driver Packages	Driver Version	Driver Class
Oracle Database	12.1.0.1.0	ojdbc7.jar. orai18n.jar	12.1.0.1.0	oracle.jdbc.driver.OracleDriver
Microsoft SQL Server	2014	sqljdbc4.jar	4.0	com.microsoft.sqlserver.jdbc. SQLServerDriver
PostgreSQL	9.5	postgresql-9.4.1208.jar	9.4-1208	org.postgresql.Driver

> **TIP:**
> For optimal performance, Micro Focus recommends running a dedicated server for Cloud Assessment database. Hosting Cloud Assessment database together with other application databases on the same server also impacts the performance of Cloud Assessment significantly.

Supported Application Servers

Cloud Assessment supports only the embedded JBoss application server. This application server is built by Micro Focus, based on JBoss EAP 6.4.0.GA sources.

> **TIP:**
> For optimal performance, Micro Focus recommends running a dedicated server for Cloud Assessment application. Hosting Cloud Assessment application together with other applications and services may also impact the performance of Cloud Assessment significantly.

Prerequisites - Operating Systems

The server running Cloud Assessment must use a supported operating system.

Micro Focus recommends the following operating systems:

- Windows Server 2012 R2
- Red Hat Enterprise Linux 7.1 and 7.2 64-bit
- Oracle Enterprise Linux 7.1 64-bit
- CentOS 7.1 64-bit
- Ubuntu 16.04 64-bit
- Debian 8.5 64-bit

Caution: Micro Focus recommends using a 64-bit operating system in conjunction with a 64-bit JDK. 32-bit operating systems may not provide sufficient memory for this version of Cloud Assessment.

Prerequisites - Browsers

Client machines accessing Cloud Assessment must use a supported browser. Cloud Assessment supports the following browsers:

- Google Chrome 50
- Microsoft Internet Explorer 11
- Mozilla Firefox 46
- Mozilla Firefox ESR 45

Prerequisites - Mail Clients

If you want Cloud Assessment to send automatic notifications, you must use a supported mail client. Cloud Assessment supports the following mail clients:

- Microsoft Outlook 2013

Supported LDAP Implementations

When you install Cloud Assessment, you can select to use an external LDAP server to retrieve information about users and groups.

Cloud Assessment uses LDAP for authentication and to obtain user and group information. Cloud Assessment accesses this information as read-only and never modifies it.

Cloud Assessment supports the following LDAP implementations:

- Oracle Directory Server Enterprise Edition 11g
- Microsoft Windows Server 2008 Active Directory

Prerequisites - Adobe Flash

Client machines accessing Cloud Assessment require Adobe Flash Player version 20.0.

Supported Product Integrations

Cloud Assessment supports integration with the following products:

Product	Version	Features
Micro Focus HCM (CSA)	4.80	Synchronization of HCM (CSA) topology components as Cloud Assessment deployment specifications, build deployment models in Cloud Assessment and publish as service designs in HCM (CSA).

Product	Version	Features
Micro Focus Universal Configuration Management Database (uCMDB)	10.22 and above	Synchronization of uCMDB configuration items with Cloud Assessment artifacts.
Micro Focus Project and Portfolio Management (PPM)	9.32	Primary source of financial and project information about applications in the corporation. Provides useful financial insights into enterprise architecture.
Sparx Systems Enterprise Architect	12.1 and above	Primary source of system graphical design. Provides a complete lifecycle to build and maintain systems from analysis through maintenance. **NOTE:** Cloud Assessment supports only standard project format (.eap).

Chapter 2: Compatibility

This section covers the following topics:

- Languages, below
- Internationalization Variances, below
- Virtualization Products, below

Languages

The user interface of Micro Focus Cloud Assessment uses the English language out-of-the-box. Cloud Assessment allows data input in local languages.

Internationalization Variances

This version of Cloud Assessment runs on all locales described in this document. There are no known variances.

Virtualization Products

Transparent Technology and Virtualization Support

In recent years, a number of "transparent" hardware and software technologies and virtualization solutions (such as Citrix, Microsoft Cluster Software, and VMware) have become increasingly prevalent. These solutions operate in the technology layers adjacent to the operating systems or, in some cases, as extensions of the operating systems. Similarly, database solutions offer transparent components as supported elements.

Micro Focus supports Cloud Assessment running on operating systems and databases on particular platforms, not specific hardware and software configurations. Micro Focus will support Cloud Assessment customers who run Micro Focus software products on supported operating systems and databases, irrespective of whether they are running transparent or virtualization solutions in their environment. Micro Focus does not support these transparent or virtualization technologies directly. Since the providers of these technologies support a set of certified operating systems and hardware, the customer and the providers of these technologies will be responsible for any interactions or issues that arise due to the usage of hardware or operating system.

Micro Focus will not require customers to re-create and troubleshoot every issue in a non-transparent environment; however, Micro Focus does reserve the right to request that its customers diagnose certain issues in a native certified operating system environment without the transparent technology. Micro Focus will only make this request when there is reason to believe that the environment is a contributing factor to the reported issue.

While Cloud Assessment is expected to function properly with these transparent technologies in place, there may be performance implications, which can invalidate Micro Focus's typical sizing recommendations. Analysis must be performed within the context of the specific application to be hosted in a virtual environment to minimize potential resource overload, which can have significant impact on performance and scalability under peak load.

Micro Focus Software Coexistence

No coexistence information for Cloud Assessment 1.01 is available.

Other Software Coexistence

No coexistence information for this version of Cloud Assessment is available.

Obsolescence Plans

As of January 2018, there are no plans to end support for any currently supported version of Cloud Assessment.