

Install the Standalone Machine Agent

Related pages:

- [Machine Agent Installation Scenarios](#)
- [Machine Agent Configuration Properties](#)
- [Upgrade the Machine Agent](#)
- [Installing the Machine Agent on a PHP Node](#)



This page provides requirements, permissions, and steps to install the Machine Agent.



Make sure to thoroughly test your deployment in a staging or test environment before deploying it to production.

JRE Requirements

- JRE 1.8 is required.
- In 4.2, JRE 1.8 is bundled with the OS-specific Machine Agent installation downloads.
- The Machine Agent starts within its own JVM.
- You can use an existing JRE previously installed in your environment.

Permissions

- To avoid permission issues, install the agent as the same user who owns the Machine Agent files or as an administrator on the host machine.
- All files in the `<machine-agent-home>` installation directory should be readable by the Machine Agent.
- The user that runs the Machine Agent must have write privileges to the logging output directory and to the `/conf` directory in the agent installation directory.
- If you plan to enable the JVM Crash Guard, review the required permissions for [JVM Crash Guard](#).
- To create a non-root user to run the Machine Agent, see [Permissions Required to Run the Machine Agent](#).

- Windows permissions for files and subfolders are inherited by default from the parent folder (<machine_agent_home>). AppDynamics recommends that you restrict permissions to users authorized to start, stop, and configure the Machine Agent:
 - Read and Write permissions to all files and subfolders under <machine-agent-home>.
 - If running as a:
 - Terminal application, then restrict Read, Write, and Execute permissions for the file <machine-agent-home>\bin\machine-agent.vbs.
 - Service, then restrict Start, Stop, and Restart permissions for the Machine Agent service. You only need admin privileges to install the service. The Machine Agent runs under the local system account which has extensive privileges on the local system. However, if WMI access is revoked, then you must run the Machine Agent as Administrator. Typically, users do have WMI access. See [User Account Control and WMI](#).
- Enable Windows Script Host for the Windows Machine Agent.

Installation Directory and Path Name Requirements

The following table lists characters that are not supported for the <machine-agent-home> directory name or in any directory in the path:

Not Supported on any OS	Not Supported on Linux	Not Supported on Windows
Whitespace characters	% #	% # \ / : * ? " < >
An exclamation point at the end of the directory name		Control characters such as ASCII EOL, CR, etc.

Configuration

The `controller-info.xml` file contains the properties used to specify agent to Controller communications. To specify the Controller host, port, and account access key properties, see [Plan the Machine Agent Configuration](#). Based on your installation requirements, you may need to configure additional properties.

Installation for New Standalone Machine Agent

The following steps are for *new* installations. To upgrade version 4.3 and earlier, see [Upgrade the Machine Agent](#).

1. [Plan the Machine Agent Configuration](#).
2. From [AppDynamics Downloads](#), download the Machine Agent installation package for your OS environment onto the machine you want to monitor.



If there is no download bundle for your OS, use the Machine Agent zip file without the JRE, and use a separately downloaded JRE to run it. You need to download a separate JRE if the one already installed on the machine is a version earlier than JRE 1.8.

- [Install Using the Non-JRE Zip File](#) - Use this for OS environments other than Linux, Solaris, Windows, and Mac OS X.
 - [Linux Install Using the RPM Package](#)
 - [Linux Install Using ZIP with Bundled JRE](#)
 - [Solaris Install Using ZIP with Bundled JRE](#)
 - [Windows Install Using ZIP with Bundled JRE](#)
3. [Verify the Machine Agent Installation](#)
 4. Start the Machine Agent by executing <machine_agent_home>/bin/machine-agent. If you have java or system properties, you can add them to the end of the command. To review machine usage, enter `machine-agent -h`.