



# **Agile Product Lifecycle Management**

## **Agile PLM Variant Management Installation Guide**

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# Preface

The Agile PLM documentation set includes Adobe® Acrobat PDF files. The [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) <http://www.oracle.com/technology/documentation/agile.html> contains the latest versions of the Agile PLM PDF files. You can view or download these manuals from the Web site, or you can ask your Agile administrator if there is an Agile PLM Documentation folder available on your network from which you can access the Agile PLM documentation (PDF) files.

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**Note** To read the PDF files, you must use the free Adobe Acrobat Reader version 7.0 or later. This program can be downloaded from the [Adobe Web site](http://www.adobe.com) <http://www.adobe.com>.

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The [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) <http://www.oracle.com/technology/documentation/agile.html> can be accessed through Help > Manuals in both Agile Web Client and Agile JavaClient. If you need additional assistance or information, please contact My Oracle Support (<https://support.oracle.com>) for assistance.

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**Note** Before calling Oracle Support about a problem with an Agile PLM manual, please have the full part number, which is located on the title page.

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## TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, 7 days a week. For TTY support, call 800.446.2398. Outside the United States, call +1.407.458.2479.

## Readme

Any last-minute information about Agile PLM can be found in the Readme file on the [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) <http://www.oracle.com/technology/documentation/agile.html>

## Agile Training Aids

Go to the [Oracle University Web page](http://www.oracle.com/education/chooser/selectcountry_new.html) [http://www.oracle.com/education/chooser/selectcountry\\_new.html](http://www.oracle.com/education/chooser/selectcountry_new.html) for more information on Agile Training offerings.

## Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

## Requirements

**This chapter includes the following:**

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- Pre-Installation Details..... 2
- Pre-Installation Instructions ..... 2

Install and test this release on a designated development server before applying this patch on your production environment. Your development environment should mirror your production environment as closely as possible to provide accurate testing results. It is important to validate the installation of this release, test your reported issue(s), and confirm your integrations are working correctly as part of your minimum due diligence. Any problems or questions noted during your development system testing should be resolved before installing this release on your production environment.

Before you install patch 9.3.0.1 VM, make sure you meet the following requirements:

- Server Version  
Agile PLM 9.3.0.1
- Database
  - Database Schema version: 9.3.060
  - Data Schema Version: 9.3.060.0
- Minimum Requirement  
Agile 9.3.0.1
- Client
  - Internet Explorer 7.0 or higher
  - Mozilla Fire Fox 3
  - Safari 2
- Java Home  
Set the environment variable JAVA\_HOME to JDK which was installed with Agile PLM. By default it was installed under the Agile PLM 9.3 home directory.
- Agile 9.3.0.1  
The Patch Installer reads from the Agile 9.3.0.1 system the fully qualified 'HostName' as entered during the installation of A9.3.0.1. To check for the fully qualified host name, please check in the file "@Agile\_Home@\Install\config\agile\_app.cfg" for the line "Application Server Host = <fully qualified host name>".

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**Note** If this file does not contain the fully qualified name, please contact Oracle Support.

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## Pre-Installation Details

The following questions need to be answered before you begin with the installation.

Question	Answer
Do you want to install Variant Management with AIA support?	<div><div><div>▫ n</div><div>▫ y</div></div><div><b>Note</b> Only when answered with 'y', the next two questions have to be answered.</div></div>
Enter the HostName where Oracle AIA Server is installed:	The fully qualified name of the AIA Server (e.g. example1.corp.oracle.com)
Enter the Port Number where Oracle AIA Server is installed:	Port number

## Pre-Installation Instructions

1. On the system where the Application Server is installed, download the patch to a temporary directory.
2. Verify that the size of downloaded patch matches the size shown on the patch download page.

**Note** If the file size does not match, please download the patch again.

3. Extract the contents to the same location.
4. Verify the contents of the download patch with the following table:

File Name	Description
Agile9.3.0.1.VM.zip	Install package for Oracle Agile PLM 9.3.0.1.VM
9301_VariantManagementDocs.zip	Documentation package for Oracle Agile PLM 9.3.0.1.VM
Agile9.3.0.1 VM_install_package.zip	Compressed winzip file which contains changed files for Agile PLM 9.3.0.1 VM
Agile 9.3.0.1 VM_Installer.properties	Installer property file to be used by Oracle Agile PLM 9.3.0.1 VM Installer
Install_Patch.bat	Batch file need to run for installing Oracle Agile PLM 9.3.0.1 VM on Windows only, which is part of Agile9.3.0.1.VM.zip
Install_Patch.sh	Script file need to run for installing Oracle Agile PLM 9.3.0.1 VM on Unix (Solaris/Linux/AIX), which is part of Agile9.3.0.1.VM.zip
installer	Hold installer related files for successful installation of Oracle Agile PLM 9.3.0.1 VM, which is part of Agile9.3.0.1.VM.zip

Agile 9.3.0.1.VM_Master_FileList.txt	Master file list of the updated files with date/time and file-size information.
oracle_9.3.0.1.VM.sql	SQL Script for the database schema upgrade. To be used for new Oracle Agile PLM customers.
oracle_9.3.0.1.VM_upgrade.sql	SQL Script for the database schema upgrade. To be used for existing Oracle Agile PLM customers.
Agile9.3.0.1.VM_Patch_Readme.html	Readme file which provides technical information for this patch upgrade including information about the issues resolved.

**Note** If the content does not match this list, please download the patch again.

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# Updating the Schema

**This chapter includes the following:**

▪ Oracle Application Server .....	5
▪ BEA WebLogic Application Server .....	5
▪ Oracle Database.....	5
▪ Upgrading the Schema to 9.3.0.1 VM.....	6

**Important** Please verify that the database requirement is satisfied before proceeding.

## Oracle Application Server

1. On the computer where the Agile Application Server is located, log on as a user with local Administrator permissions.
2. Follow the instructions in the guide *Installing Agile PLM on Oracle Application Server* to undeploy the Agile Application.
3. Stop the OPMN processes from the Oracle home directory.

## BEA WebLogic Application Server

1. Follow the instructions in the guide *Installing Agile PLM on BEA WebLogic Server* to stop the Agile Application server.

**Note** Please make sure the application server/services remain stopped during the entire Database Upgrade process.

## Oracle Database

1. Backup your existing schema.  
Refer to the Database Installation and Upgrade Guide for Windows and Solaris (found on OTN - <http://www.oracle.com/technology/documentation/agile.html>).
2. To validate the existing database schema before upgrading to 9.3.0.1.VM, run averify.  
Please contact Oracle Agile support if you encounter any errors. All errors need to be fixed before you continue.

## Upgrading the Schema to 9.3.0.1 VM

1. On the computer where the database server is installed, download the SQL files to the drive: \Agile9Tmp (by default: drive D:\).
2. If an Oracle Database is used, copy the file oracle\_9.3.0.1.VM.sql (or oracle\_9.3.0.1.VM\_upgrade.sql) from the patch distribution file.
3. Go to the directory where the upgrade scripts are located.
4. Log on to the Agile Schema in SQLPlus (or any other SQL client).
5. For new Oracle Agile PLM customers, use the script oracle\_9.3.0.1.VM.sql to upgrade to 9.3.0.1 VM.

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**Note** At the end of 9.3.0.1.VM update, the schema version should be 9.3.060 and the data version should be 9.3.060.1. Use the sql statement select value from propertytable where id=33086 to verify schema version and select value from propertytable where parentid = 5001 and propertyid = 726 for the data version.

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6. For existing Oracle Agile PLM 9.3 customers, use the script oracle\_9.3.0.1.VM\_upgrade.sql to upgrade to 9.3.0.1 VM.

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**Note** At the end of 9.3.0.1.VM update, the schema version should be 9.3.060 and the data version should be 9.3.060.1. Use the sql statement select value from propertytable where id=33086 to verify schema version and select value from propertytable where parentid = 5001 and propertyid = 726 for the data version.

---

7. To validate the existing database schema before you upgrade to 9.3.0.1.VM, run averify.  
Please contact Oracle Agile support for any errors. All errors need to be fixed before you continue.
8. Backup the upgraded schema.  
Refer to section "Backing up the database" in the Agile 9.3.0.1 Database Installation and Upgrade Guide for Windows and Solaris.

# Installation Instructions for Windows

**This chapter includes the following:**

▪ Oracle Application Server - Standalone Environment .....	7
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▪ BEA WebLogic Application Server - Standalone Environment .....	9
▪ BEA WebLogic Application Server - Cluster Environment.....	10

**Important** Make sure the file *agileHome*, located in C:\Program Files\Agile, contains the Agile PLM 9.3 home.

## Oracle Application Server - Standalone Environment

**To install in a Standalone Environment:**

**Note** If you completed the Database Schema Upgrade already, skip steps 1-4.

1. On the computer where the Agile Application Server is located, log on as a user with local Administrator permissions.
2. Make sure the Oracle Process Manager and Notification Server (OPMN) processes are running on the Application Server.
3. Follow the instructions in the guide *Installing Agile PLM on Oracle Application Server* to undeploy the Agile Application.
4. Stop the OPMN processes from the Oracle home directory.
5. Open the Command Prompt and navigate to the temporary directory where you downloaded the patch distribution.

**Note** For further Information see: Pre-Installation Instructions.

6. From the temporary directory, run the Install\_Patch.bat.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)
2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:

7. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.
8. When the installation process is finished, the *Installation Successful* message is displayed.
9. Press Enter to complete the installation and the *Build Successful* message is displayed.
10. Start the OPMN processes from the Oracle home directory.
11. Deploy the Agile Application.

## Oracle Application Server - Cluster Environment

If your application server is running in a clustered environment, you need to apply 9.3.0.1.VM only to the primary server for OAS and to the admin server for WLS.

For example:

▫ OAS:

If machine #1 has an OAS Primary Server, and machine #2 and #3 have OAS Secondary Server hosts, you must apply the patch 9.3.0.1.VM only to machines #1.

### To install in a Cluster Environment:

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<b>Note</b>	If you completed the Database Schema Upgrade already, skip steps 1-4.
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1. On the computer where the Agile Application Server (Primary Server) is located, log on as a user with local Administrator permissions.
2. Make sure OPMN processes are running on the Primary and Secondary server of OAS cluster.
3. Follow the instructions in the guide *Installing Agile PLM on Oracle Application Server* to undeploy the Agile Application server on Primary Server.
4. Stop the OPMN processes from the Oracle home directory on all cluster nodes starting with Secondary Servers to Primary Server.
5. Open the Command Prompt and navigate to the temporary directory where you downloaded the patch distribution.

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<b>Note</b>	For further Information see: Pre-Installation Instructions.
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6. From the temporary directory, run the Install\_Patch.bat.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)
2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:
7. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.

8. When the installation process is finished, the Installation Successful message is displayed.
9. Press Enter to complete the installation and the Build Successful message is displayed.
10. Start the OPMN processes from the Oracle home directory on all cluster nodes starting with Primary Server to all Secondary Servers.
11. Deploy the Agile Application on Primary Server only.

This step will automatically deploy the Agile application on all Primary and Secondary Server hosts.

## BEA WebLogic Application Server - Standalone Environment

To install in a Standalone Environment:

---

**Note** If you completed the Database Schema Upgrade already, skip steps 1-2.

---

1. On the computer where the Agile Application Server is located, log on as a user with local Administrator permissions.
2. Follow the instructions in the guide *Installing Agile PLM on BEA WebLogic Server* to stop the Agile Application server.
3. Open the Command Prompt and navigate to the temporary directory where you downloaded the patch distribution.

---

**Note** For further Information see: Pre-Installation Instructions.

---

4. From the temporary directory, run the Install\_Patch.bat.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)
2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:
5. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.
6. When the installation process is finished, the *Installation Successful* message is displayed.
7. Press Enter to complete the installation and the *Build Successful* message is displayed.
8. Start the Agile Application Server.

## BEA WebLogic Application Server - Cluster Environment

If your application server is running in a clustered environment, you need to apply 9.3.0.1.VM only to the primary server for OAS and to the admin server for WLS.

For example:

- WLS:

If machine #1 has a WebLogic Admin Server, and machine #2 and #3 have WebLogic Managed Servers, you must apply the patch 9.3.0.1.VM only to machines #1.

### To install in a Cluster Environment:

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<b>Note</b>	If you completed the Database Schema Upgrade already, skip steps 1-2.
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1. On the computer where the Agile Application Server is located, log on as a user with local Administrator permissions.
2. Follow the instructions in the guide *Installing Agile PLM on BEA WebLogic Server* to stop the Agile Application server in Cluster environment.
3. Open the Command Prompt and navigate to temporary directory where you downloaded the patch distribution.
4. From the temporary directory, run the Install\_Patch.bat.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)
2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:
5. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.
6. When the installation process is finished, the *Installation Successful* message is displayed.
7. Press Enter to complete the installation and the *Build Successful* message is displayed.
8. Start the Agile Application Server on all cluster nodes starting with Admin Server to all Managed Servers.

# Installation Instructions for UNIX (Solaris/Linux/AIX)

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▪ BEA WebLogic Application Server - Standalone Environment .....	13
▪ BEA WebLogic Application Server - Cluster Environment .....	14

**Important** Make sure that the file *agileHome* in the User home location /Agile directory contains the Agile PLM 9.3 home directory.

User home location = location of the Agile PLM 9.3.0.1 installation.

By default, the Agile PLM 9.3 home directory is /opt/Agile/Agile93.

## Oracle Application Server - Standalone Environment

**To install in a Standalone Environment:**

**Note** If you completed the Database Schema Upgrade already, skip steps 1-4.

1. On the computer where the Agile Application Server is located, log on as a user with local Administrator permissions.
2. Make sure the Oracle Process Manager and Notification Server (OPMN) processes are running on the Application Server.
3. Follow the instructions in the guide *Installing Agile PLM on Oracle Application Server* to undeploy the Agile Application.
4. Stop the OPMN processes from the Oracle home directory.
5. Open the Command Prompt and navigate to the temporary directory where you downloaded the patch distribution.

**Note** For further Information see: Pre-Installation Instructions.

6. From the temporary directory, run the Install\_Patch.sh.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)

2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:
7. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.
8. When the installation process is finished, the *Installation Successful* message is displayed.
9. Press Enter to complete the installation and the *Build Successful* message is displayed.
10. Start the OPMN processes from the Oracle home directory.
11. Deploy the Agile Application.

## Oracle Application Server - Cluster Environment

If your application server is running in a clustered environment, you need to apply 9.3.0.1.VM only to the primary server for OAS and to the admin server for WLS.

For example:

- OAS:

If machine #1 has an OAS Primary Server, and machine #2 and #3 have OAS Secondary Server hosts, you must apply the patch 9.3.0.1.VM only to machines #1.

### To install in a Cluster Environment:

---

<b>Note</b>	If you completed the Database Schema Upgrade already, skip steps 1-4.
-------------	-----------------------------------------------------------------------

---

1. On the computer where the Agile Application Server (Primary Server) is located, log on as a user with local Administrator permissions.
2. Make sure OPMN processes are running on the Primary and Secondary server of OAS cluster.
3. Follow the instructions in the guide *Installing Agile PLM on Oracle Application Server* to undeploy the Agile Application server on Primary Server.
4. Stop the OPMN processes from the Oracle home directory on all cluster nodes starting with Secondary Servers to Primary Server.
5. Open the Command Prompt and navigate to the temporary directory where you downloaded the patch distribution.

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<b>Note</b>	For further Information see: Pre-Installation Instructions.
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6. From the temporary directory, run the Install\_Patch.sh.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)



2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:
7. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.
8. When the installation process is finished, the *Installation Successful* message is displayed.
9. Press Enter to complete the installation and the *Build Successful* message is displayed.
10. Start the OPMN processes from the Oracle home directory on all cluster nodes starting with Primary Server to all Secondary Servers.
11. Deploy the Agile Application on Primary Server only.  
This automatically deploys the Agile application on all Primary and Secondary Server hosts.

## BEA WebLogic Application Server - Standalone Environment

### To install in a Standalone Environment:

---

**Note** If you completed the Database Schema Upgrade already, skip steps 1-2.

---

1. On the computer where the Agile Application Server is located, log on as a user with local Administrator permissions.
2. Follow the instructions in the guide *Installing Agile PLM on BEA WebLogic Server* to stop the Agile Application server.
3. Open the Command Prompt and navigate to the temporary directory where you downloaded the patch distribution.

---

**Note** For further Information see: Pre-Installation Instructions.

---

4. From the temporary directory, run the Install\_Patch.sh.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)
2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:
5. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.
6. When the installation process is finished, the *Installation Successful* message is displayed.

7. Press Enter to complete the installation and the *Build Successful* message is displayed.
8. Start the Agile Application Server.

## BEA WebLogic Application Server - Cluster Environment

If your application server is running in a clustered environment, you need to apply 9.3.0.1.VM only to the primary server for OAS and to the admin server for WLS.

For example:

- WLS:

If machine #1 has a WebLogic Admin Server, and machine #2 and #3 have WebLogic Managed Servers, you must apply the patch 9.3.0.1.VM only to machines #1.

### To install in a Cluster Environment:

---

**Note** If you completed the Database Schema Upgrade already, skip steps 1-2.

---

1. On the computer where the Agile Application Server is located, log on as a user with local Administrator permissions.
2. Follow the instructions in the guide *Installing Agile PLM on BEA WebLogic Server* to stop the Agile Application server in Cluster environment.
3. Open the Command Prompt and navigate to temporary directory where you downloaded the patch distribution.
4. From the temporary directory, run the Install\_Patch.sh.

The installation begins.

At the beginning of the installation, the following questions have to be answered (for further information about these questions see: [Pre-Installation Details](#) on page 2):

1. Is the Agile Application already undeployed? (y/n)
2. Do you want to install Variant Management with AIA support? (y/n)  
Only when answered with 'y', the next two questions have to be answered.
3. Enter the HostName where Oracle AIA Server is installed:
4. Enter the Port Number where Oracle AIA Server is installed:
5. Ignore the message "Enter Passphrase for keystore:" and let the installation continue.
6. When the installation process is finished, the *Installation Successful* message is displayed.
7. Press Enter to complete the installation and the *Build Successful* message is displayed.
8. Start the Agile Application Server on all cluster nodes starting with Admin Server to all Managed Servers.

# Post-Installation Verification

- From the Web Client or Java Client, connecting to the updated Application Server, ensure that Help > About Agile, shows the Update Version 9.3.0.1.VM.
- To verify that 9.3.0.1.VM updated all appropriate files, compare the date/time and file-size information of the files listed in the file *Agile9.3.0.1.VM\_Master\_FileList.txt* contained in the downloaded patch distribution.

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**Note** For further Information see: Pre-Installation Instructions.

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