Contents

Introduction ................................................................................................................................................. 4
Glossary ......................................................................................................................................................... 4
Solution Overview ........................................................................................................................................ 5
Components Overview ................................................................................................................................... 5
Deployment Configurations .......................................................................................................................... 7
Deploying to a Standalone SCCM Site .......................................................................................................... 7
  Installing Parallels Console Extensions ..................................................................................................... 7
  Installing Parallels Configuration Manager Proxy ..................................................................................... 8
Deploying to a Primary Site with Secondary Sites ....................................................................................... 8
  Deploying to a Primary Site ....................................................................................................................... 8
  Deploying to a Secondary Site .................................................................................................................... 8
Deploying to a Central Administration Site .................................................................................................. 9
Deploying Parallels NetBoot Server .............................................................................................................. 10
macOS Software Update Management .......................................................................................................... 12
  Required Components ............................................................................................................................... 12
  Download Updates from Apple Servers ...................................................................................................... 13
  Download Updates from a Local Update Server ...................................................................................... 14
  Restrict Which Updates a Mac User Can Install ...................................................................................... 14
Apple DEP Support ...................................................................................................................................... 16
  Required Components ............................................................................................................................... 16
  One MDM Server Serving One SCCM Site ................................................................................................ 17
Remote Lock and Wipe ................................................................................................................................ 19
  Required Components ............................................................................................................................... 19
  Wipe a DEP-Enabled Mac Computer ......................................................................................................... 20
  Wipe a Non-DEP Mac Computer ............................................................................................................... 20
Pre-Installation Checklist .............................................................................................................................. 22
Index ............................................................................................................................................................. 25
This guide is for network and Microsoft System Center Configuration Manager (SCCM) administrators who are planning to deploy Parallels® Mac Management for Microsoft® SCCM in their organization. This guide assumes that the reader has knowledge of SCCM, its architecture, and its components.

The guide does not cover topics related to user rights and other system requirements. This information can be found in the Parallels Mac Management Administrator’s Guide at parallels.com/products/mac-management/support/.

In This Chapter

- Glossary ................................................................. 4
- Solution Overview ...................................................... 5
- Components Overview ................................................ 5

Glossary

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMS</td>
<td>System Management Server (the core component of System Center Configuration Manager)</td>
</tr>
<tr>
<td>CAS</td>
<td>Central Administration Site</td>
</tr>
<tr>
<td>DP</td>
<td>SCCM Distribution Point</td>
</tr>
<tr>
<td>MP</td>
<td>SCCM Management Point</td>
</tr>
<tr>
<td>Admin Console</td>
<td>SCCM Administrative Console</td>
</tr>
<tr>
<td>WDS</td>
<td>Windows Deployment Services</td>
</tr>
<tr>
<td>BITS</td>
<td>Background Intelligent Transfer Service</td>
</tr>
<tr>
<td>Parallels Mac Management</td>
<td>Parallels Mac Management for Microsoft SCCM</td>
</tr>
<tr>
<td>Proxy</td>
<td>Parallels Configuration Manager Proxy</td>
</tr>
<tr>
<td>Extensions</td>
<td>Parallels Configuration Manager Console Extensions</td>
</tr>
<tr>
<td>NetBoot</td>
<td>Parallels NetBoot Service</td>
</tr>
<tr>
<td>SUP</td>
<td>Parallels OS X® Software Update Point</td>
</tr>
<tr>
<td>WSUS</td>
<td>Windows Server Update Services</td>
</tr>
<tr>
<td>MDM Server</td>
<td>Parallels MDM Server</td>
</tr>
<tr>
<td>APNs</td>
<td>Apple® Push Notification Service</td>
</tr>
</tbody>
</table>
Introduction

Apple DEP
Apple Device Enrollment Program. On diagrams in this guide, it also refers to the Apple DEP website.

MDM
Mobile Device Management

Mac Client
Parallels Mac Client

Represents a Mac® with Parallels Mac Client installed.

Represents a Windows computer with SCCM and/or Parallels Mac Management components installed.

Solution Overview

Parallels Mac Management is a software plug-in that extends Microsoft System Center Configuration Manager (SCCM) with the ability to fully manage macOS® systems. With Parallels Mac Management, you can manage Mac and Windows computers using SCCM as your only management system.

Components Overview

Parallels Mac Management consists of the following components.

**Parallels Configuration Manager Proxy**: A Windows service application that acts as a proxy between SCCM and Mac computers. The application must be installed on a computer running Windows Server 2008 SP2 or later.

**Parallels Configuration Manager Console Extensions**: A set of dynamic libraries that extends the Configuration Manager console with user interface elements, allowing you to manage Mac computers. This component must be installed on the computer where the Configuration Manager console is installed.

**Parallels NetBoot Server**: NetBoot is a technology from Apple that enables Mac computers to boot from a network. You must install this component if you plan to deploy macOS images on Mac computers.
**Parallels OS X Software Update Point**: Allows you to manage Apple software updates (patches) for macOS using the native SCCM functionality. The component requires Windows Server Update Services (WSUS) and must be installed on the same server as WSUS.

**Parallels MDM Server**: Enables you to deploy new Mac computers and enroll them in SCCM using the Apple Device Enrollment Program (Apple DEP). It is also used to remotely wipe and lock a Mac computer if it's lost or stolen.

**Parallels Mac Client**: A client application that enables communication between a Mac computer on which it is installed and Parallels Configuration Manager Proxy. The client inventories hardware and software installation information, enables the automated installation of software packages and security patches, and is used to apply compliance policies.
Deployment Configurations

This chapter describes various Parallels Mac Management deployment configurations.

In This Chapter

Deploying to a Standalone SCCM Site .............................................................. 7
Deploying to a Primary Site with Secondary Sites ........................................ 8
Deploying to a Central Administration Site .................................................... 9
Deploying Parallels NetBoot Server ................................................................. 10

Deploying to a Standalone SCCM Site

The diagram below represents a standalone SCCM installation. The arrow lines represent communication channels between Parallels Mac Management and SCCM components.

Figure 1: Deployment to a standalone SCCM site

The above diagram shows each SCCM and Parallels Mac Management component installed on a separate computer. More often than not, your SCCM deployment will have several components that coexist on the same computer.

Installing Parallels Console Extensions

A standalone SCCM site would have at least one computer with SCCM Administrative Console (Admin Console) installed. It could be installed on the same server that has the System Management Server (SMS) provider installed, or on a separate computer. You must install
Deploying to a Primary Site with Secondary Sites

If a primary site in your SCCM installation has secondary sites, you may deploy Parallels Mac Management to the primary site or secondary sites.

Deploying to a Primary Site

When deploying Parallels Mac Management to a primary site, follow the same procedure as described in Deploying to a Standalone SCCM Site (Page 7).

Deploying to a Secondary Site

Proxy should be deployed to all secondary sites. *While this is not required, it is highly recommended.*

Deploying Proxy to all secondary sites has the following benefits:
• Allows more efficient use of bandwidth. If Proxy is not installed in a secondary site, Parallels Mac Clients in that site will have to communicate with Proxy in the primary site.

• Simplifies manual Mac Client enrollment. If Proxy is not installed in a secondary site and you try to manually enroll Mac Clients, you will have to use Active Directory (AD) credentials that have client enrollment privileges assigned in the primary site.

Figure 3: Secondary site with Parallels Configuration Manager Proxy installed

---

Deploying to a Central Administration Site

The only additional step to perform when deploying Parallels Mac Management in a Central Administration Site (CAS) environment is to install Parallels Console Extensions on the computer hosting the CAS Configuration Manager Console. However, this step is optional.

The following features are not supported by Parallels Console Extensions when Parallels Mac Management Extensions are installed on a CAS:

• Configuration of Parallels Network Discovery
• Retrieval of escrowed FileVault® 2 personal keys
• macOS image deployment functionality
Deploying Parallels NetBoot Server

NetBoot is a technology from Apple that enables Mac computers to boot from a network. You must install this component if you plan to deploy macOS images on Mac computers.

The server on which Parallels NetBoot Server (NetBoot) will be installed must meet the following requirements:

- The SCCM Distribution Point (DP) role is installed on this server.
- Windows Deployment Service (WDS) is installed and running. If WDS and DHCP are both installed on this server, the "Do not listen on port 67" option must be selected in the WDS service properties.
- The server is a PXE service point.
- BITS 4.0 is installed. Background Intelligent Transfer Service (BITS) transfers files (downloads or uploads) between a client and a server and provides progress information related to the transfers.
These requirements remain the same for any SCCM deployment configuration, whether it’s a standalone, primary, or secondary site deployment.

Figure 5: Deploying NetBoot
 CHAPTER 3

macOS Software Update Management

Parallels Mac Management allows you to manage macOS software updates (patches) using the native SCCM functionality. Using this functionality, you can import information about available macOS software updates into SCCM and then deploy the updates to Mac computers in your organization.

In This Chapter

Required Components ................................................................. 12
Download Updates from Apple Servers .......................................... 13
Download Updates from a Local Update Server ................................. 14
Restrict Which Updates a Mac User Can Install ................................. 14

Required Components

Windows Server Update Services (WSUS): Windows Server Update Services (WSUS) must be installed and configured for local publishing of updates. Installation instructions are available at the following location:

msdn.microsoft.com/en-us/library/bb902479

On the web page, refer to the “To set up the update server for locally-published content” section.

Parallels OS X Software Update Point: This is a component of Parallels Mac Management that enables macOS patch management in SCCM. It must be installed on a computer where WSUS is installed.
Download Updates from Apple Servers

This is the default configuration. It is the simplest scenario in which macOS update catalogs and packages are downloaded from Apple servers over the Internet.

When this scenario is used, macOS updates are installed on Mac computers as follows:

1. Parallels OS X Software Update Point (SUP) downloads macOS update catalogs from Apple and imports them into WSUS.
2. WSUS is synchronized with SCCM.
3. The SCCM administrator deploys updates to Mac computers.
4. Mac computers download deployed updates from the Apple servers, after which the updates are silently installed on them.
5. A Mac user can check for updates using the standard macOS functionality and install any of the available updates.
Download Updates from a Local Update Server

This configuration allows you to use a local update server to host macOS update catalogs and update packages.

1. Parallels OS X Software Update Point (SUP) downloads macOS update catalogs from the local update server (Update Server) and imports them into WSUS.
2. WSUS is synchronized with SCCM.
3. The SCCM administrator deploys updates to Mac computers.
4. Mac computers download update catalogs from Parallels OS X Software Update Point and then download update packages from the local update server.
5. The deployed updates are silently installed on a Mac.
6. A Mac user can check for updates using the standard macOS functionality and install any of the available updates. Please note that the OS X Software Update service will use the update catalogs that were downloaded from Parallels OS X Software Update Point, not the Apple servers. Update packages will also be downloaded from the local update server.

**Note:** To use this configuration, you need a local update server (Update Server). Parallels Mac Management does NOT include this functionality. You will have to use the Apple macOS Server or a third-party software to act as a local update server.

Restrict Which Updates a Mac User Can Install

This configuration allows you to restrict which updates a Mac user can see and install. Note that this configuration can use Apple servers or a local update server.
When this scenario is used, macOS updates are installed on Mac computers as follows:

1. Parallels OS X Software Update Point downloads macOS update catalogs from Apple servers or the local update server (depending on the configuration) and imports them into WSUS.
2. WSUS is synchronized with SCCM.
3. The SCCM administrator deploys updates to Mac computers.
4. Mac computers download full update catalogs from the Apple servers or the Parallels OS X Software Update Point (depending on the configuration). The catalogs are then filtered to include only the updates that were deployed in SCCM. If a Mac user now checks for available updates using the standard macOS functionality, they will not be able to see and install hidden updates.
5. Mac computers download update packages from the location specified in a catalog (Apple servers or a local update server).
6. The deployed updates are silently installed on a Mac.
7. If a Mac user checks for updates using the standard macOS functionality, they will see only the updates that were deployed (or none at all if the updates have already been installed on this Mac).
The Apple Device Enrollment Program (DEP) provides a fast, streamlined way to deploy corporate-owned Mac computers purchased directly from Apple or through Apple Authorized Resellers. Parallels Mac Management supports Apple DEP and provides you with the ability to automatically enroll new Mac computers in SCCM during the initial device setup procedure.

In This Chapter

Required Components........................................................................................................................................ 16
One MDM Server Serving One SCCM Site ........................................................................................................ 17

Required Components

**Parallels MDM Server:** An MDM server is a required component in a Mobile Device Management implementation. Parallels MDM Server implements management features for Mac computers and makes them available in SCCM through Parallels Mac Management integration.

A Parallels MDM Server is linked to your organization’s account on the Apple DEP website. To set up an MDM server, your organization must be enrolled in Apple Deployment Programs as described in the Apple DEP guide: apple.com/business/docs/DEP_Guide.pdf.

The computer on which you'll be installing Parallels MDM Server must meet the following requirements:

- Must be accessible from the server where the Parallels Proxy is installed.
- Must be accessible from the Internet.
- For increased security, the server should be located in DMZ.

Parallels MDM Server is installed using the Parallels Mac Management Installation Wizard. After the installation, it must be configured using the Parallels MDM Server Configuration Wizard, which starts automatically after the installation. (You can also launch the configuration wizard manually from the Start menu.)

**Parallels DEP Service:** Parallels DEP Service is a Windows service that is installed automatically when you install the Parallels Proxy component on a primary SCCM site (i.e. both the DEP Service and Parallels Proxy are installed on the same server). The Parallels DEP service communicates with the Apple DEP website and the local Parallels MDM Server. It is responsible for obtaining the list of Mac computers assigned to the virtual MDM server on the Apple DEP website and assigning device enrollment profiles.
One MDM Server Serving One SCCM Site

This deployment scenario uses one Parallels MDM Server serving one SCCM site.

On the diagram above:

- The local Parallels DEP service is linked to the Parallels MDM Server. The link is configured in the SCCM console.

- The local Parallels DEP service is also linked to your organization’s account on the Apple DEP website. This essentially links the SCCM site to Apple DEP. The link is configured in the SCCM console and the Apple DEP website. The process involves obtaining an X.509 certificate from the local server, uploading it to the Apple DEP website, and using it to create a virtual MDM server. Finally, a token is obtained from the Apple DEP website and added to the local server, thus linking the local DEP service and the virtual MDM server.

- The Parallels MDM Server uses Apple Push Notification Service (APNs) to send push notifications for MDM functions, such as Parallels Mac Client push installation and some others. Establishing this communication is one of the steps you have to complete when you run the Parallels MDM Server Configuration Wizard. The process involves obtaining a certificate signing request from Parallels My Account, then uploading it to the Apple Push Certificates Portal and obtaining an APNs certificate file from it. Finally, the certificate file is added to the Parallels MDM Server, thus enabling APNs functions on it.
Port numbers that are specified on the diagram above (e.g. TCP 443 and TCP 2195) are used to communicate with Apple services and cannot be changed. Port numbers that are labeled as "Custom port" are configured when you run the Parallels MDM Server Configuration Wizard. There are no default port numbers, so you have to select them yourself according to your requirements. Please also see Table 1 below for the list of ports shown on the diagram. All of these ports must be opened for communication.

Table 1: Communication ports used in Parallels Mac Management DEP/MDM deployment

<table>
<thead>
<tr>
<th>Source</th>
<th>Destination</th>
<th>Port</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server hosting Parallels Proxy and DEP service</td>
<td>Apple DEP service mdmenrollment.apple.com</td>
<td>TCP 443</td>
<td>Used by the Apple Device Enrollment Program service</td>
</tr>
<tr>
<td>Parallels MDM Server</td>
<td>Apple Push Notification Service (APNs) gateway.push.apple.com</td>
<td>TCP 2195</td>
<td>Used to send notifications to APNs</td>
</tr>
<tr>
<td>Mac computer</td>
<td>Apple Push Notification Service (APNs) gateway.push.apple.com</td>
<td>TCP 5223</td>
<td>The standard port to communicate with APNs</td>
</tr>
<tr>
<td>Server hosting Parallels Proxy and DEP service</td>
<td>Parallels MDM Server</td>
<td>Custom</td>
<td>You select a port number when you configure Parallels MDM Server</td>
</tr>
<tr>
<td>Mac computer</td>
<td>Parallels MDM Server</td>
<td>Custom</td>
<td>You select a port number when you configure Parallels MDM Server</td>
</tr>
</tbody>
</table>
Remote Lock and Wipe

When a Mac is lost or stolen, the leak of stored confidential information may lead to severe business risks. Parallels Mac Management provides you with the ability to remotely lock and wipe a Mac if it’s lost or stolen.

In This Chapter

Required Components.................................................................................................................. 19
Wipe a DEP-Enabled Mac Computer .......................................................................................... 20
Wipe a Non-DEP Mac Computer ............................................................................................... 20

Required Components

Remote wiping of Mac computers is done via the Mobile Device Management (MDM) enrollment. Parallels Mac Management uses MDM enrollment as part of the Apple DEP support (page 16). If you are using Apple DEP in SCCM, all necessary services should be already configured in your SCCM/Parallels Mac Management installation. If you are not using Apple DEP, you need to install and configure a Parallels MDM Server. Please read below for more information.

Parallels MDM Server: An MDM server is a required component in a Mobile Device Management implementation. Parallels MDM Server implements management features for Mac computers and makes them available in SCCM through Parallels Mac Management integration.

The computer on which you’ll be installing Parallels MDM Server must meet the following requirements:

- Must be accessible from the server where the Parallels Proxy is installed.
- Must be accessible from the Internet.
- For increased security, the server should be located in DMZ.

Parallels MDM Server is installed using the Parallels Mac Management Installation Wizard. After the installation, it must be configured using the Parallels MDM Server Configuration Wizard, which starts automatically after the installation. (You can also launch the configuration wizard manually from the Start menu.)
Wipe a DEP-Enabled Mac Computer

A DEP-enabled Mac computer is enrolled in Parallels MDM service automatically; no additional deployment or configuration steps are necessary. The diagram below shows a standard DEP deployment scenario as described in the Apple DEP Support chapter (page 16). When everything is configured for Apple DEP as required, you can use the lock/wipe feature out of the box.

Wipe a Non-DEP Mac Computer

To use the lock/wipe feature on non-DEP Mac computers, you need to enroll them in Parallels MDM service first.

1. In the Configuration Manager console, navigate to Administration / Overview / Parallels Mac Management / Mobile Device Management / MDM Links.

2. Right-click an MDM Link entry and choose Enrollment Properties. The MDM Enrollment Properties dialog opens.

3. Select the “Enable automatic enrollment of Macs into Parallels MDM service” option, and then select one of the following:
Pre-Installation Checklist

- “Enroll all Mac resources.” All Mac computers that are enrolled in SCCM will be automatically enrolled in MDM. (Computers that are already enrolled in MDM as part of DEP are excluded.)
- “Enroll Mac resources from the following collections.” Only the Mac resources from the specified collection(s) will be enrolled. Select this option and click the [+ ] icon to select a collection and add it to the list. (You can add more than one collection.)

4 Click OK to save automatic MDM enrollment settings and close the dialog.

The next time a Mac computer requests policy updates, it will receive enrollment settings and will be automatically enrolled in the Parallels MDM service.

On the diagram above, the Parallels MDM Server uses Apple Push Notification Service (APNs) to send MDM push notifications to Mac computers. Establishing this communication is one of the steps you have to complete when you run the Parallels MDM Server Configuration Wizard. The process involves obtaining a certificate signing request from Parallels My Account, uploading it to the Apple Push Certificates Portal, and obtaining an APNs certificate file from it. Finally, the certificate file is added to the Parallels MDM Server, thus enabling APNs functions on it.

Port numbers that are specified on the diagram above (TCP 5223 and TCP 2195) are used to communicate with APNs and cannot be changed. Port numbers that are labeled as "Custom port" are configured when you run the Parallels MDM Server Configuration Wizard. There are no default port numbers, so you have to select them yourself according to your requirements. Please also see Table 1 below for the list of ports shown on the diagram. All of these ports must be opened for communication.

Table 1: Communication ports used in Parallels Mac Management MDM deployment

<table>
<thead>
<tr>
<th>Source</th>
<th>Destination</th>
<th>Port</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parallels MDM Server</td>
<td>Apple Push Notification Service (APNs)</td>
<td>TCP 2195</td>
<td>Used to send notifications to APNs</td>
</tr>
<tr>
<td></td>
<td>gateway.push.apple.com</td>
<td>TCP 5223</td>
<td>Used to communicate with APNs</td>
</tr>
<tr>
<td>Mac computer</td>
<td>Apple Push Notification Service (APNs)</td>
<td>TCP 5223</td>
<td>Used to communicate with APNs</td>
</tr>
</tbody>
</table>
Pre-Installation Checklist

Use the following checklist to help prepare your environment for the deployment of Parallels Mac Management. The Reference column contains links to topics describing how to accomplish a corresponding task. All page number are in reference to the Parallels Mac Management for Microsoft SCCM Administrator's Guide.

<table>
<thead>
<tr>
<th>Category</th>
<th>Task</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ General requirements</td>
<td>Check the requirements for supported SCCM, Windows, and macOS versions.</td>
<td>General Requirements (page 12)</td>
</tr>
<tr>
<td>□ Parallels Proxy</td>
<td>The Distribution Point Role configuration</td>
<td>Distribution Point Role Configuration (page 13)</td>
</tr>
<tr>
<td>□ Parallels Proxy</td>
<td>Verify the IIS settings on the Distribution Point server</td>
<td>IIS Settings on the Distribution Point Server (page 13)</td>
</tr>
<tr>
<td>□ Parallels Proxy</td>
<td>Configuration Manager Boundaries</td>
<td>Configuration Manager Boundaries Configuration (page 25)</td>
</tr>
<tr>
<td>Feature</td>
<td>Description</td>
<td>Page(s)</td>
</tr>
<tr>
<td>------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>Parallels Proxy</td>
<td>Configure Windows firewall</td>
<td>Configuring Windows Firewall (page 26)</td>
</tr>
<tr>
<td>Parallels Proxy</td>
<td>Configure macOS firewall</td>
<td>Configuring macOS Firewall (page 61)</td>
</tr>
<tr>
<td>Parallels Proxy</td>
<td>Verify the network environment configuration</td>
<td>Network Configuration (page 13)</td>
</tr>
<tr>
<td>Parallels Proxy</td>
<td>Check date and time synchronization</td>
<td>Date and Time Synchronization (page 14)</td>
</tr>
<tr>
<td>Parallels NetBoot Server</td>
<td>Optional component. Needed for the macOS image deployment functionality.</td>
<td>Parallels NetBoot Server Requirements (page 14)</td>
</tr>
<tr>
<td>Parallels OS X Software Update Point</td>
<td>Optional component. Needed for the macOS software update functionality.</td>
<td>Parallels OS X Software Update Point Requirements (page 15)</td>
</tr>
<tr>
<td>Other</td>
<td>Verify Reporting Point Role. Optional but needed to view reports.</td>
<td>The Reporting Functionality Requirements (page 17)</td>
</tr>
<tr>
<td>Other</td>
<td>Verify Report Viewer. Optional but needed to view reports.</td>
<td>The Reporting Functionality Requirements (page 17)</td>
</tr>
<tr>
<td>Other</td>
<td>Review the ports used by Parallels Mac Management</td>
<td>Communication Ports and Protocols (page 17)</td>
</tr>
<tr>
<td>User rights</td>
<td>Verify user rights requirements. Note: This is a very important step to ensure a successful installation.</td>
<td>User Rights Requirements (page 18)</td>
</tr>
<tr>
<td>PKI integration</td>
<td>Optional, but needed if you would like to integrate Parallels Mac Management with a Public Key Infrastructure (PKI).</td>
<td>Integrating Parallels Mac Management with PKI (page 27)</td>
</tr>
</tbody>
</table>
Installation Requirements

Before proceeding, please read the subsequent sections to learn about system requirements for installing Parallels Mac Management for Microsoft SCCM. The topics include general requirements and requirements for installing individual Parallels Mac Management components.

General Requirements

**Supported SCCM versions**: At the time of this writing, Parallels Mac Management has been tested with Microsoft System Center Configuration Manager 2012 R2 up to SCCM 1706.

For the most up-to-date information about supported SCCM versions, please see kb.parallels.com/124197

**Top-level domain requirement**: Parallels Mac Management supports top-level domain structures only (for example, .com, .edu, .mil, .gov, and .net). Pseudo-top-level domains (for example, .local) are NOT supported.

**Supported Windows versions**: Windows components of Parallels Mac Management follow the same system requirements as the Microsoft System Center components.

**Supported macOS versions**: macOS 10.7–10.13 are supported.
Index

A
Apple DEP Support – 16

C
Components Overview – 5

D
Deploying Parallels NetBoot Server – 10
Deploying to a Central Administration Site – 9
Deploying to a Primary Site – 8
Deploying to a Primary Site with Secondary Sites – 8
Deploying to a Secondary Site – 8
Deploying to a Standalone SCCM Site – 7
Deployment Configurations – 7
Download Updates from a Local Update Server – 14
Download Updates from Apple Servers – 13

G
Glossary – 4

I
Installing Parallels Configuration Manager Proxy – 8
Installing Parallels Console Extensions – 8
Introduction – 4

M
macOS Software Update Management – 12

O
One MDM Server Serving One SCCM Site – 17

P
Pre-Installation Checklist – 22

R
Remote Lock and Wipe – 19
Required Components – 12, 16, 19
Restrict Which Updates a Mac User Can Install – 14

S
Solution Overview – 5

W
Wipe a DEP-Enabled Mac Computer – 20
Wipe a Non-DEP Mac Computer – 20