ManageEngine
RecoveryManager Plus

System and
Port Requirements

System requirements

The following table lists the recommended hardware requirements for ManageEngine RecoveryManager Plus.

Hardware requirements

Hardware	Minimum	Requirement
Processor	2.4GHz	3GHz
Number of cores	4	6 or more
RAM	8GB	16GB
Disk space	Active Directory/ Microsoft Entra ID	This requirement varies based on the number of AD objects, Entra ID objects, the size of your domain controller, and the retention period that you set for your backups. RecoveryManager Plus has a best case compression ratio of 2:1 for domain controller backups.
	Microsoft 365	This requirement varies based on the number of backed-up Exchange Online mailboxes, the size of your SharePoint Online, OneDrive for Business, and Microsoft Teams sites, and the retention period that you set for your backups. RecoveryManager Plus typically compresses backups to a third of their original size. If the total size of the mailboxes, SharePoint Online, OneDrive for Business sites, and Microsoft Teams site is 1TB, make sure that you have 1TB of free disk space to store the full backup and all subsequent incremental backups.
	Google Workspace/ Zoho WorkDrive	This requirement varies based on the number of backed-up mailboxes the size of your Google Workspace user drives, and Zoho WorkDrive folders. RecoveryManager Plus typically compresses backups to a third of their original size. If the total size of the mailboxes, user drives, and folders is 1TB, make sure that you have 1TB of free disk space to store the full backup and all subsequent incremental backups.
	On-premises Exchange	backed-up Exchange mailboxes and the retention period that you set for your backups. RecoveryManager Plus typically compresses backups to a third of their original size. If the total size of the mailboxes is 1TB, make sure that you have 1TB of free disk space to store the full backup and all subsequent incremental backups.

Operating system requirements

RecoveryManager Plus can be installed and run on the following operating systems (both 32 bit and 64 bit architecture) and versions:

- Windows Server 2022
- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012

- Windows 11
- Windows 10
- Windows 8.1
- Windows 8
- Windows 7

Supported web browsers

RecoveryManager Plus has been tested to support the following browsers and versions:

- Mozilla Firefox
- Google Chrome
- Microsoft Edge
- Internet Explorer 10 and later

Recommended screen resolution

- 1366 x 768 pixels or higher

Supported databases

ManageEngine RecoveryManager Plus supports the following databases:

- PostgreSQL (default database bundled with the product)
- Microsoft SQL

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Product ports

The following table lists the default ports used by RecoveryManager Plus. They can be modified during or after installation.

Protocol and Port	Usage	Type of traffic
TCP and UDP 389	Directory, replication, user and computer authentication, Group Policy, trusts	LDAP
TCP and UDP 636	To connect RecoveryManager Plus securely to your Active Directory	LDAPS
TCP and UDP 88	User and computer authentication, forest-level trust	Kerberos
TCP and UDP 445	Replication, users and computer authentication, Group Policy, trusts	NTLM
TCP and UDP 464	Replication, user and computer authentication, trusts	Kerberos change/set password
UDP 137,138 and TCP 139	User and computer authentication	Netlogon, NetBios
TCP 33310	If you are running Recovery Manager Plus with Postgres DB	Postgres database
TCP/IP 1433 and 1434 UDP	If you are running Recovery Manager Plus with MSSQL DB	MSSQL database
TCP 135 and dynamic ports	Timezone offset of domain controller	WMI
TCP 5985 and TCP 5986	Group Policy	PowerShell remoting
HTTP port range: 9290	Communication between the local Elasticsearch node and RecoveryManager Plus	Elasticsearch database

In addition to the above ports, there are a few ports that you will have to enable based on your Azure environment.

Microsoft Entra ID worldwide

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Exchange Online PowerShell	https://outlook.office365.com/powershell-liveid/
	Exchange Web Services	https://outlook.office365.com/EWS/Exchange.asmx
	Sharepoint Online	https://<tenant>-admin.sharepoint.com
	Microsoft Entra ID Endpoint	https://login.microsoftonline.com/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.windows.net/
	Microsoft Graph Endpoint	https://graph.microsoft.com

Microsoft Entra ID China

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Exchange Online PowerShell	https://partner.outlook.cn/PowerShell-LiveID
	Exchange Web Services	https://partner.outlook.cn/EWS/Exchange.asmx
	Sharepoint Online	https://<tenant>-admin.sharepoint.cn
	Microsoft Entra ID Endpoint	https://login.chinacloudapi.cn/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.chinacloudapi.cn/
	Microsoft Graph Endpoint	https://microsoftgraph.chinacloudapi.cn

Microsoft Entra ID Germany

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Exchange Online PowerShell	https://outlook.office.de/powershell-liveid/
	Exchange Web Services	https://outlook.office.de/EWS/Exchange.asmx
	Sharepoint Online	https://<tenant>-admin.sharepoint.de
	Microsoft Entra ID Endpoint	https://login.microsoftonline.de/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.cloudapi.de/
	Microsoft Graph Endpoint	https://graph.microsoft.de/

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Microsoft Entra ID for US government

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Exchange Online PowerShell	https://outlook.office365.us/powershell-liveid/
	Exchange Web Services	https://outlook.office365.us/EWS/Exchange.asmx
	Sharepoint Online	https://<tenant>-admin.sharepoint.us
	Microsoft Entra ID Endpoint	https://login-us.microsoftonline.com/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.windows.net/
	Microsoft Graph Endpoint	https://graph.microsoft.com

Microsoft Entra ID for US Department of Defense

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Exchange Online PowerShell	https://webmail.apps.mil/powershell-liveid/
	Exchange Web Services	https://webmail.apps.mil/EWS/Exchange.asmx
	Sharepoint Online	https://<tenant>-admin.sharepoint-mil.us
	Microsoft Entra ID Endpoint	https://login-us.microsoftonline.com/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.windows.net/
	Microsoft Graph Endpoint	https://graph.microsoft.com

Zoho WorkDrive worldwide

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zoho.com/
		https://workdrive.zoho.com/
		https://download-accl.zoho.com/
		https://upload-accl.zoho.com/

Zoho WorkDrive Australia

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zoho.com.au/
		https://workdrive.zoho.com.au/
		https://download.zoho.com.au/
		https://upload.zoho.com.au/

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Zoho WorkDrive Europe

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zoho.eu/ https://workdrive.zoho.eu/ https://download-accl.zoho.eu/ https://upload-accl.zoho.eu/

Zoho WorkDrive India

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zoho.in/ https://workdrive.zoho.in/ https://download-accl.zoho.in/ https://upload-accl.zoho.in/

Zoho WorkDrive Japan

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zoho.jp/ https://workdrive.zoho.jp/ https://download.zoho.jp/ https://upload.zoho.jp/

Zoho WorkDrive China

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zoho.com.cn/ https://workdrive.zoho.com.cn/workdrive/ https://download.zoho.com.cn/ https://upload.zoho.com.cn/

Zoho WorkDrive Canada

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zohocloud.ca/ https://workdrive.zohocloud.ca/ https://download.zohocloud.ca/ https://upload.zohocloud.ca/

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Zoho WorkDrive Saudi Arabia

Ports	Modules	Endpoint
80 for HTTP and 443 for HTTPS	Zoho WorkDrive	https://accounts.zoho.sa/ https://workdrive.zoho.sa/ https://download.zoho.sa/ https://upload.zoho.sa/

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RecoveryManager Plus

Our Products

AD360 | Log360 | ADManager Plus | ADAudit Plus

ADSelfService Plus | M365 Manager Plus

About RecoveryManager Plus

ManageEngine RecoveryManager Plus is a comprehensive enterprise backup and recovery solution for Active Directory, Microsoft Entra ID, Microsoft 365 (Exchange Online, SharePoint Online, OneDrive for Business and Microsoft Teams), Google Workspace, on-premises Exchange and Zoho WorkDrive environments. With its incremental backups, flexible retention policies, backup immutability and multiple modes of restoration—such as domain controller recovery and object-, item- and attribute-level restoration—RecoveryManager Plus delivers a holistic solution for minimizing downtime and ensuring seamless business continuity by backing up all application's data.

For more information, visit www.manageengine.com/ad-recovery-manager.

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