

System and Port Requirements



System requirements

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

Hardware requirements

Hardware		Minimum requirement
Processor		2.13GHz or higher
RAM		8GB (minimum) 16GB (recommended)
Disk space	Active Directory/Azure Active Directory	8GB
	Microsoft 365	This requirement varies based on the number of backed-up Exchange Online mailboxes, the size of your SharePoint Online and OneDrive for Business 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, and OneDrive for Business sites is 1TB, make sure that you have 1TB of free disk space to store the full backup and all subsequent incremental backups.
	Google Workspace	This requirement varies based on the number of backed-up mailboxes and the size of your Google Workspace user drives. RecoveryManager Plus typically compresses backups to a third of their original size. If the total size of the mailboxes and user drives 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	This requirement varies based on the number of 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 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2
- Windows Server 2008 SP2
- Windows 7 and later
- Windows Vista SP2

Supported web browsers

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

- Internet Explorer 8 and later
- Firefox
- Chrome

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)
- MS SQL

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
TCP port range: 9390	Communication between multiple Elasticsearch nodes	Elasticsearch database

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

Azure 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	<a href="https://<tenant>-admin.sharepoint.com">https://<tenant>-admin.sharepoint.com
	AzureAD Endpoint	<a href="https://login.microsoftonline.com/<tenantName>/oauth2/v2.0/token">https://login.microsoftonline.com/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.windows.net/
	Microsoft Graph Endpoint	https://graph.microsoft.com

Azure 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	<a href="https://<tenant>-admin.sharepoint.cn">https://<tenant>-admin.sharepoint.cn
	AzureAD Endpoint	<a href="https://login.chinacloudapi.cn/<tenantName>/oauth2/v2.0/token">https://login.chinacloudapi.cn/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.chinacloudapi.cn/
	Microsoft Graph Endpoint	https://microsoftgraph.chinacloudapi.cn

Azure 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	<a href="https://<tenant>-admin.sharepoint.de">https://<tenant>-admin.sharepoint.de
	AzureAD Endpoint	<a href="https://login.microsoftonline.de/<tenantName>/oauth2/v2.0/token">https://login.microsoftonline.de/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.cloudapi.de/
	Microsoft Graph Endpoint	https://graph.microsoft.de/

Azure 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	<a href="https://<tenant>-admin.sharepoint.us">https://<tenant>-admin.sharepoint.us
	AzureAD Endpoint	<a href="https://login-us.microsoftonline.com/<tenantName>/oauth2/v2.0/token">https://login-us.microsoftonline.com/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.windows.net/
	Microsoft Graph Endpoint	https://graph.microsoft.com

Azure 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	<a href="https://<tenant>-admin.sharepoint-mil.us">https://<tenant>-admin.sharepoint-mil.us
	AzureAD Endpoint	<a href="https://login-us.microsoftonline.com/<tenantName>/oauth2/v2.0/token">https://login-us.microsoftonline.com/<tenantName>/oauth2/v2.0/token
	Azure Graph Endpoint	https://graph.windows.net/
	Microsoft Graph Endpoint	https://graph.microsoft.com

About ManageEngine RecoveryManager Plus

ManageEngine RecoveryManager Plus is a comprehensive backup and recovery solution that empowers administrators to back up and restore their Active Directory, Azure Active Directory, Microsoft 365 (Exchange Online, SharePoint Online, OneDrive for Business, and MS Teams), Google Workspace, and on-premises Exchange environments from a single console. With its ability to perform incremental backups, granular and complete restoration, modifiable retention policies, and varied storage mediums, RecoveryManager Plus is the complete one-stop solution to enterprise backup and restoration needs.

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