Recast

BitLocker Recovery Keys

Last Modified on 2026-10-01

Retrieve All BitLocker Keys

Using the **Retrieve All BitLocker Keys** tool, you can view and copy current recovery passwords for all the sources where you have configured BitLocker keys — Configuration Manager, Active Directory, MBAM, and Entra ID.

Prerequisites

- Right Click Tools Enterprise license
- Right Click Tools Console Extension installed
- Entra ID set up for Right Click Tools, if retrieving recovery keys from that source

Recast Permissions

Plugin	Permissions
Administration	ListActiveDirectoryServiceConnections ListMemcmServiceConnections ListAzureActiveDirectoryServiceConnections ListMbamServiceConnections
ConfigMgrServer	GetBitLockerRecoveryKeys GetEntraIdInfo
ActiveDirectory	GetBitLockerRecoveryData
MicrosoftGraph	GetBitlockerRecoveryKey GetDevicesWithBitlockerKeys GetBitlockerKeyIdsForDevice
MBAM	GetRecoveryKeysForDevice

Microsoft Permissions

Add the following Microsoft Graph API application permission and delegated permissions to the App registration for your Entra ID service connection.

Application permissions

- Device.Read.All
- BitlockerKey.Read.All
- BitlockerKey.ReadBasic.All

Delegated permissions

- User.Read
- DeviceManagementConfiguration.Read.All
- DeviceManagementManagedDevices.Read.All

Run the Retrieve All BitLocker Keys Tool

To run the tool:

1. Right-click on a single device, multiple devices, or device collection.

2. Select **Right Click Tools** > **Security Tools** > **Retrieve All BitLocker Keys**.

The **BitLocker Recovery Keys from Configured Sources** window displays the Key Source, Recovery Key, Recovery Key ID,

Date Created, and any Error.

You can copy a recovery key by right-clicking on an entry and choosing **Copy Key to Clipboard**.

TIP: If Right Click Tools is connected to a Recast Management Server, you can edit the sources from which the tool will retrieve recovery keys by disabling individual BitLocker Search options (`BitLockerSearchAd` , `BitLockerSearchConfigMgr` , `BitLockerSearchEntraID` , `BitLockerSearchMBAM`) in your Recast Management Server Settings. Be sure to restart your Configuration Manager console after editing recovery key sources.

ConfigMgr BitLocker Recovery Keys

The **ConfigMgr BitLocker Recovery Keys** tool lets you retrieve current recovery passwords stored in Configuration Manager. You can also use the Retrieve All BitLocker Keys tool to pull recovery password details from multiple BitLocker key locations.

Recast Permissions

Plugin	Permissions
ConfigMgrServer	GetBitLockerRecoveryKeys

To run the tool:

1. Right-click on a device name.

2. Select **Right Click Tools** > **Security Tools** > **ConfigMgr BitLocker Recovery Keys**.

   The **ConfigMgr BitLocker Keys** window that opens displays the following information:
   - Machine Name
   - Recovery Key
   - Recovery Key ID
   - Error

3. Right-click on a Recovery Key ID and click **Copy Key to Clipboard**.

AD BitLocker Recovery Keys

The **AD BitLocker Recovery Keys** tool lets you view current recovery passwords and their detailed history. You can also use the Retrieve All BitLocker Keys tool to pull recovery password details from multiple BitLocker key locations.

Recast Permissions

Plugin	Permissions
ActiveDirectory	GetBitLockerRecoveryData

To run the tool:

1. Right-click on a device name.

2. Select **Right Click Tools** > **Security Tools** > **AD BitLocker Recovery Keys**.

The **AD BitLocker Keys** window that opens displays the history of the recovery password including the dates when it was created and last changed.

See also Delegate Access to BitLocker Recovery Keys in Active Directory

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Entra ID BitLocker Recovery Keys

The **Entra ID BitLocker Recovery Keys** tool lets you retrieve current recovery passwords stored in Microsoft Entra ID (formerly Azure Active Directory). This tool requires a connection to your Recast Management Server. You can also use the Retrieve All BitLocker Keys tool to pull recovery password details from multiple BitLocker key locations.

Prerequisites

- Recast Management Server installed with Recast Proxy
- Users or user groups delegated access to view BitLocker Keys in Entra ID
- Service connection added from your Recast Management Server to Entra ID (Azure Active Directory)
- Minimum Recast Software version: 5.6.2407.1103

Recast Permissions

Plugin	Permissions
MicrosoftGraph	GetBitlockerRecoveryKey GetDevicesWithBitlockerKeys GetBitlockerKeyIdsForDevice
Administration	ListAzureActiveDirectoryServiceConnections
ConfigMgrServer	GetEntraIdInfo

Microsoft Permissions

Add the following Microsoft Graph API application permission and delegated permissions to the App registration for your Entra ID service connection.

Application permissions

- Device.Read.All
- BitlockerKey.Read.All
- BitlockerKey.ReadBasic.All

Delegated permissions

- User.Read
- DeviceManagementConfiguration.Read.All
- DeviceManagementManagedDevices.Read.All

Run the Entra ID BitLocker Recovery Keys Tool

To run the tool:

1. Right-click on a device name.

2. Select **Right Click Tools** > **Security Tools** > **EntraID BitLocker Recovery Keys**.

   The **EntraID BitLocker Keys** window that opens displays the following information:
   - Machine Name
   - Recovery Key
   - Recovery Key ID
   - Date Created
   - Error

3. Right-click on a Recovery Key ID and click **Copy Key to Clipboard**.

MBAM BitLocker Recovery Keys

The **MBAM BitLocker Recovery Keys** tool allows you to request new MBAM recovery keys. You can also use the Retrieve All BitLocker Keys tool to pull recovery password details from multiple BitLocker key locations.

Recast Permissions

Plugin	Permissions
MBAM	GetRecoveryKeysForDevice

To run the tool:

1. Right-click on a device name.

2. Select **Right Click Tools** > **Security Tools** > **MBAM BitLocker Recovery Keys**.

3. In the **MBAM Recovery Key Request** window, select the reason for requesting MBAM recovery keys.

   Reasons include:
   - Operating System Boot Order changed
   - BIOS changed
   - Operating System files modified
   - Lost Startup Key
   - Lost PIN
   - TPM Reset
   - Lost Passphrase
   - Lost Smartcard
   - Other

4. Click **Request Key(s)**.

TIP: You can copy a recovery key by right-clicking on an entry and choosing **Copy Key to Clipboard**.

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