

## BitLocker Recovery Keys

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### 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

##### Delegated permissions

- User.Read
- BitlockerKey.Read.All
- BitlockerKey.ReadBasic.All
- 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,

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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.

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## 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**.
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## 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:

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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.

**NOTE:** This action currently works for comanaged devices.

### 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

#### Delegated permissions

- User.Read
- BitlockerKey.Read.All
- BitlockerKey.ReadBasic.All
- DeviceManagementConfiguration.Read.All
- DeviceManagementManagedDevices.Read.All

Run the **Entra ID BitLocker Recovery Keys Tool**

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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**.
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## 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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