



RekeySoftwareEncryptionAtRestMasterKey

Element Software

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RekeySoftwareEncryptionAtRestMasterKey

You can use the `RekeySoftwareEncryptionAtRestMasterKey` method to rekey the software encryption-at-rest master key used to encrypt DEKs (Data Encryption Keys). During cluster creation, software encryption at rest is configured to use Internal Key Management (IKM). This rekey method can be used after cluster creation to use either IKM or External Key Management (EKM).

Parameters

This method has the following input parameters. If the `keyManagementType` parameter is not specified, the rekey operation is performed using the existing key management configuration. If the `keyManagementType` is specified and the key provider is external, the `keyProviderID` parameter must also be used.

Parameter	Description	Type	Optional
<code>keyManagementType</code>	<p>The type of key management used to manage the master key.</p> <p>Possible values are: <code>Internal</code>: Rekey using internal key management. <code>External</code>: Rekey using external key management.</p> <p>If this parameter is not specified, the rekey operation is performed using the existing key management configuration.</p>	string	True
<code>keyProviderID</code>	<p>The ID of the key provider to use. This is a unique value returned as part of one of the <code>CreateKeyProvider</code> methods. The ID is only required when <code>keyManagementType</code> is <code>External</code> and is otherwise invalid.</p>	integer	True

Return values

This method has the following return values:

Parameter	Description	Type	Optional
asyncHandle	Determine the status of the rekey operation using this asyncHandle value with GetAsyncResult. GetAsyncResult output will include a newKey field that contains information about the new master key and a keyToDecommission field that contains information about the old key.	integer	False

Request example

Requests for this method are similar to the following example:

```
{
  "method": "rekeysoftwareencryptionatrestmasterkey",
  "params": {
    "keyManagementType": "external",
    "keyProviderID": "<ID number>"
  }
}
```

Response example

This method returns a response similar to the following example:

```
{
  "asyncHandle": 1
}
```

New since version

12.3

Find more information

- [NetApp SolidFire Resources Page](#)
- [Documentation for earlier versions of NetApp SolidFire and Element products](#)

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