**HNOLOGY, LLCDA**

Delphix Masking Engine:

Object Key backup and recovery

Purpose of this document This document is intended to assist Delphix Masking Administrators in backing up and restoring the Delphix Masking Engine object (encryption) key via Masking API. Also used post masking engine install, during masking engine key sync or installing masking accelerator packages.

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Masking API: Open a browser and enter your masking engine masking api-client url.

Example http://MASKING\_ENGINE.com:8282/masking/api-client/



##

Scroll down till you see the entry for login



## Login and get Authorized

### Login

 Login with a masking engine user id such as axistech or another administrator account.

Click login and enter:

{

 "username": "axistech",

 "password": "*PASSWORD*"

}

Click on Try it out!



If the user/password is valid you will see your response code is 200

Capture the response body: example

{

 "Authorization": "3c2a7d87-cc24-47fa-b0fd-f30903b6db61"

}

Authorize: return to the top of the screen and click on 

Copy/paste into value box 3c2a7d87-cc24-47fa-b0fd-f30903b6db61



## Backing up the Object Key

### Sync Get objects from source Masking Engine

Sync GET is how we will collect the masking engine syncable-objects. For this exercise we are only interested in the “objectIdentifier”:”KEY” section.



Click on try it out!

Scroll down till you see Response Body and select the section of text for “objectIdentifier”: “KEY”.

Note: Select up to the second }, do not select the trailing ,



### Sync Post /export objects to the Masking Engine

Use the objectIdentifier code to export capture the Masking Engine object key.

Paste the objectIdentifier code into the body block.



Note: Please see Example Value section on the right of the body block, where an open [ and close ] are required.

Click on try it out!

Successful execution will produce a Response Code of 200

Copy the Response Body and save it in a text file.

Example of saved file name: *MaskingEngineName*\_Object\_Key\_Backup.txt



You now have a backup copy of the Object Key for this Masking Engine.

## Restoring the Object Key

Note: remember to Login and get Authorize on the masking engine /masking/api-client (see above)

### Sync Post /import objects to the Masking Engine

Using a previously saved, exported Object Key use the capture text to restore / import the Object key. Example as show from Sync Post /export section:

{

 "exportResponseMetadata": {

 "exportHost": "MaskingHost.delphix.com:8282",

 "exportDate": "Tue Apr 24 14:27:04 UTC 2018",

 "exportedObjectList": [

 {

 "objectIdentifier": {

 "keyId": "global"

 },

 "objectType": "KEY",

 "revisionHash": "39c64cae23d001e2f43e717180afc17da1a8671c"

 }

 ]

 },

 "blob": "QgAAAAokMjVmMjExMDUtZjA5Zi00N2Q1LWJlY2EtMzI3ZWZmZGM1MWYyEhgyMDE4LTA0LTI0VDE0OjI3OjA0LjcyOVogAasBAAAKJDI1ZjIxMTA1LWYwOWYtNDdkNS1iZWNhLTMyN2VmZmRjNTFmMhKCAwo7CAkSNwordHlwZS5nb29nbGVhcGlzLmNvbS9FbmNyeXB0aW9uS2V5SWRlbnRpZmllchIICgZnbG9iYWwa/QEKJGE5ZGExYWQ2LWIyYmYtNDBhOS1hMjBiLTIzZTFlNjVmNGM0ZhIkZDJhYTI5ODUtMjg3NS00MWJjLWE3M2UtZWT1NDhjNTJiZWIwGnd7CiAgIm9iamVjdFR5cGUiOiAiS0VZIiwKICAiaWQiOiB7CiAgICAiQHR5cGUiOiAidHlwZS5nb29nbGVhcGlzLmNvbS9FbmNyeXB0aW9uS2V5SWRlbnRpZmllciIsCiAgICAiaWQiOiAiZ2xvYmFsIgogIH0KfSIoYjJmNzk4MzgwYmY3MDVhZDU1YjdjMTk1MmQ4N2YzMWZlYWY0ZTJmZSi/oIC9rywwv6CAva8sIkMKJXR5cGUuZ29vZ2xlYXBpcy5jb20vRW5jcnlwdGlvbktleURhdGESGgoYUkg5ZTJyYWJ0TGRtQlRqSlM1VU9HUT09VgAAAAokMjVmMjExMDUtZjA5Zi00N2Q1LWJlY2EtMzI3ZWZmZGM1MWYyGi4wLAIUGeBx183ThbujnBgsJzxvKtZrcjoCFAWHf2tVGMpcruDJa8Fs5WYZ3uV3",

 "signature": "MCwCFBngcdfN04W7o5wYLCc8byrWa3I6AhQFh39rVRjKXK7gyWvBbOVmGd7ldw==",

 "publicKey": "MIHxMIGoBgcqhkjOOAQBMIGcAkEA/KaCzo4Syrom78z3EQ5SbbB4sF7ey80etKII864WF64B81uRpH5t9jQTxeEu0umbzRMqzVDZkVG9xD7nN1kuFwIVAJYu3cw2nLqOuyYO5rahJtk0bjjFAkBnhHGyepz0TukaScUUfbGpqvJE8FpDTWSGkx0tFCcbnjUDC3H9c9oXkGmzLik1Yw4cIGI1TQ2iCmxBblC+eUykA0QAAkEAwXJozrkVs4L1LDF4OpAkaHIyMYNM88e2rr9E74/ITbgNANVGN8MTO0ezs0cR4Rkc29GbVWxruaX9ESSFFU8DDg=="

}



Paste the text into the body block.

Note: Please see Example Value section on the right of the body block. No open ‘[‘ or ‘]’ are required.

Successful execution will produce a Response Code of 200

## Appendix

Additional Delphix documentation for Virtualization and Masking can be found on [doc.delphix.com](https://docs.delphix.com/products%20)