HyTrust CloudControl 5.x – 6.x Migration

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Whitepaper Focus
For more than a decade, HyTrust CloudControl has provided organizations with on-premise datacenter-level security controls to mitigate the risks associated with privileged administrative accounts within the virtual infrastructure. The latest release, HyTrust CloudControl 6.1, is a major platform release that extends the security services into public cloud (i.e. AWS, Kubernetes), expands virtual networking controls with NSX-T support, and delivers enterprise-level scale & operational flexibility with a fully API-based architecture.

This document will help your organization assess the complexity of the migration from HyTrust CloudControl 5.6 to HyTrust CloudControl 6.1. For organizations with basic implementations, the migration videos and additional guidance links are provided. Customers who would benefit from expert assistance should engage HyTrust Professional Services.

Version Applicability
This whitepaper provides guidance regarding migration from HyTrust CloudControl 5.6 to HyTrust CloudControl 6.1. This whitepaper augments and is not a replacement for the HyTrust CloudControl Administrator’s guides.

Defining Upgrades and Migration
Definition of an Upgrade
HyTrust CloudControl natively provides the ability to Upgrade within the same version to an incremental version (x.Y) of the major release (X.y). An Upgrade is a built-in function of CloudControl that will retain all configuration settings.

Examples:
- HyTrust CloudControl 5.4 can be upgraded to HyTrust CloudControl 5.5 or 5.6.
- HyTrust CloudControl 6.0.x can be upgraded directly to HyTrust CloudControl 6.1.

Note: There are no in-place, direct upgrade options from HyTrust CloudControl 5.x to HyTrust CloudControl 6.x due to major architectural differences between these platforms.
Definition of a Migration
For customers that want to maintain their configuration between HyTrust CloudControl 5.6 and 6.1 releases, a side-by-side Migration is required. A successful Migration will export the configuration from your existing HyTrust CloudControl 5.6 appliance and convert it into a format suitable for the new HyTrust CloudControl 6.1 security platform architecture. The migration file is then imported into a new installation of HyTrust CloudControl 6.1.

Example:
- HyTrust CloudControl 5.6 can be migrated to HyTrust CloudControl 6.1.

Supported Migration Paths
All HyTrust CloudControl instances targeted for migration must have a minimum version 5.6.0. It is highly recommended that the latest version of HyTrust CloudControl 5.6.x is used. Please visit https://my.hytrust.com to download the latest version.

Existing HyTrust CloudControl 6.0.x instances offer in-place upgrade capabilities directly to HyTrust CloudControl 6.1.

For customers who would like an extra safety net prior to migration, HyTrust Professional Services offers a HealthCheck Service to ensure your HTCC 5.6 systems are configured optimally. Contact your HyTrust Sales team for additional information.

The table below provides the list of supported paths to HyTrust CloudControl 6.1 as of August 2020. Please review HyTrust Administrative guides (https://my.hytrust.com) or contact HyTrust for the latest support matrix prior to migration.

<table>
<thead>
<tr>
<th>Current HTCC Version</th>
<th>Upgrade to 6.1</th>
<th>Migrate to 6.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.6.0 (GA release)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>5.6.0 (P1 release)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>5.6.0 (P2 release)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>6.0.x</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

NOTE: HyTrust CloudControl 5.6 cannot migrate to version 6.0.

HTCC to Virtual Infrastructure Compatibility Matrix
Each link below provides a summary of the various virtual infrastructure platforms supported by each HyTrust CloudControl release. Before moving to HyTrust CloudControl 6.1, review the compatibility tables to ensure that your protected virtual infrastructure is at the minimum supported versions.
- HyTrust CloudControl 5.6 Support Matrix: https://my.hytrust.com/s/article/KB10075
- HyTrust CloudControl 6.1 Support Matrix: https://my.hytrust.com/s/article/KB10127

HTCC End of Life Matrix
HyTrust provides the ability for customers to receive break/fix support services and critical bug patches. As part of the planning process your organization should consider if the end of standard support dates will affect your project timeline.
- General End of Life Policy can be found here: https://www.hytrust.com/eol/
### Self-Assessment of Migration Complexity

This section will provide your company with guidance to determine if HyTrust Professional Services would benefit your migration efforts:

<table>
<thead>
<tr>
<th>HTCC 5.6 Feature</th>
<th>HTCC 6.1 Feature</th>
<th>Migration Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual Infrastructure Compliance &amp; Assurance</td>
<td>Improved Compliance Templates</td>
<td>Clients using HyTrust-supplied templates should be able to use the tools to migrate to HTCC 6.1. Clients with custom compliance templates may require HyTrust Professional Services assistance.</td>
</tr>
<tr>
<td>Role-Based Access Controls</td>
<td>New Trust Manifest based architecture</td>
<td>Clients using the HyTrust-supplied RBAC roles and groups should be able to migrate to HTCC 6.1. Clients with custom RBAC roles and/or groups may require HyTrust Professional Services assistance.</td>
</tr>
<tr>
<td>Two-Factor Authentication</td>
<td>Two-Factor Authentication</td>
<td>Contact HyTrust Professional Services and refer to HTCC 6.1 documentation to review your 2FA configuration support prior to any migration.</td>
</tr>
<tr>
<td>NSX-V Support</td>
<td>NSX-T Support</td>
<td>HTCC 6.1 only supports the NSX-T platform. HyTrust Professional Services can help design a migration path.</td>
</tr>
<tr>
<td>Secondary Approvals</td>
<td>New Trust Manifest based architecture</td>
<td>Most customers should be able to migrate to HTCC 6.1 using the provided guidance.</td>
</tr>
<tr>
<td>HTCC High Availability</td>
<td>HTCC High Availability</td>
<td>Most customers should be able to migrate to HTCC 6.1 using the provided guidance.</td>
</tr>
</tbody>
</table>

“HyTrust provides the ability for customers to receive break/fix support services and critical bug patches. As part of the planning process your organization should consider if the end of standard support dates will affect your project timeline.”

To learn more about HyTrust products and services, visit: www.hytrust.com/products/
Appendix A

Migration Prerequisite Checklist

- For most customers, HyTrust recommends engaging Professional Services to perform a preemptive HTCC HealthCheck prior to attempting a migration
- Perform a Full Backup for existing HTCC 5.6 appliances including validation of backup file in the event a recovery is necessary
- Deploy HTCC 6.1 OVA with networking configured
- HyTrust Migration Script must be run on administrator’s system with Java 8 and Python 3 installed

Migration Prerequisite Checklist
Clean installation of HyTrust CloudControl 6.1
- HyTrust CloudControl 6.1 installation guide: https://docs.hytrust.com/CloudControl/6.1.0/Online/Content/OLH-Files/Installation-Guide.htm

Upgrade HyTrust CloudControl 6.0 to 6.1
- Follow the upgrade instructions here: https://docs.hytrust.com/CloudControl/6.1.0/Online/Content/HTCC-Install-and-Upgrade-Guide/Upgrade/Upgrading_HTCC_chapter.htm

Migration from HyTrust CloudControl 5.6 to 6.1
- HyTrust Migration Website: https://www.hytrust.com/cloudcontrol-migration
- HyTrust YouTube Videos: https://www.youtube.com/c/hytrust/

Frequently Asked Questions

Q: Can HyTrust CloudControl 5.x and 6.x coexist in my infrastructure?
A: Yes. We recommend engaging HyTrust Professional Services for a proper security design.

Q: When is a Migration from HyTrust CloudControl 5.6 to 6.1 required?
A: A migration is only required if the configuration settings need to be imported. Your organization can deploy a new HyTrust CloudControl 6.1 and recreate the various configuration policies manually.

Q: Does HyTrust CloudControl support vSphere 7?
A: Refer to the HyTrust CloudControl documentation and Knowledge Base articles at https://my.hytrust.com for the most up-to-date information regarding virtual infrastructure and cloud environment support.

Q: Where can I obtain the HyTrust CloudControl Migration tool?
A: Contact the HyTrust Professional Services team via email, HTCC-Migration@hytrust.com.

Q: Are HyTrust’s Professional Services required to use the migration tool?
A: No. However, HyTrust highly recommends, at a minimum, using our Professional Services for a preemptive HealthCheck of your existing CloudControl installation(s) prior to any attempted migration.

Q: What do I receive if I use HyTrust Professional Services to perform the migration?
A: Please contact your HyTrust Account Team for details regarding the Professional Services offerings.

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