

# AUTHORITY MIGRATION

**This document provides an overview of the process for moving your Code42 authority to the Code42 Cloud.**

## Benefits of a Code42 cloud deployment

Moving to a cloud deployment allows your organization to eliminate expenses related to hardware management, software upgrades and hardware maintenance costs. Cloud deployment customers also receive the benefits of being on Code42's most secure and up-to-date version at all times. Cloud deployment customers can take advantage of cloud-only features and products.

## Purpose of authority migration

The Code42 authority is the central point of administration for your Code42 environment. In your current deployment, the authority is held in an on-premises server and is comprised of a database and encryption keys. The purpose of authority migration is to move both your database and encryption keys to the Code42 Cloud so you can decommission your on-premises server. Once in the cloud, Code42 stores the authority database separately from both your keys and your backup data. Encryption keys are maintained in the Code42 Keystore.

## Primary considerations

- **On-premises storage:** The goal of authority migration is to provide customers with a full cloud deployment. On-premises storage destinations are not supported, and you will not be able to back up to an on-premises storage destination after authority migration is complete.
- **Product functionality:** While the majority of Code42 functionality is offered across all deployment models, some functionality varies between a cloud and an on-premises deployment. Ask your Customer Success Manager for the deployment functionality matrix for a detailed comparison.
- **User experience during migration:** There is no impact to end users during the migration process. Backup never stops, and restore will be available via the Code42 app throughout the entire process. All backup archives in the Code42 Cloud will be preserved so there is no need to restart backups.

## Authority Migration Process

### Prepare

Meet with your dedicated Pro Services team and run necessary scripts to make required changes.

### Validate

Your dedicated engineer will do a trial run to ensure the migration will be successful.

### Migrate

With our Pro Services team, we'll upload your encrypted database and keys to the Code42 cloud.



## Process overview

Authority migration is a three-step process: prepare, validate and migrate. The majority of effort takes place during the preparation step in order to ensure your organization will have a seamless migration experience. Code42 will provide a dedicated professional service engineer to assist with needed action items that must be completed prior to migration.

## Code42 professional services

Code42 will provide professional service assistance to all customers during the migration process. This includes sharing resources as we prepare action items, delivering the migration software and assisting with any configuration required post-migration.

## Authority migration security

Code42 ensures your database and encryption keys are securely protected throughout the entire authority migration process. In addition, your backup data is not impacted during migration, and all of your Code42 Cloud backup archives will remain untouched. The following security measures are in place during authority migration:

### Process controls

In order to perform the authority migration, you will be provided with the migration assistant software and an upload token that is unique to your organization. This token associates your authority database with your customer tenant. The token can be reused to validate the authority database multiple times, but can only be used once to perform an authority migration. The upload token and migration assistant will only be delivered to your administrator once they have been validated by a member of the Code42 professional services team.

The migration assistant was built by Code42 as a standalone piece of software. The migration assistant is signed by Code42, and has gone through the same security controls and vetting process as all Code42 products.

### Database and key security

Code42 delivers end-to-end security:

- Prior to transmission, the database and encryption keys are encrypted via AES 256-bit encryption.
- The database and encryption keys are then transmitted from the destination via AES 256-bit Transport Layer Security (TLS) encryption protocol.
- The database and encryption keys are encrypted at rest in the Code42 Cloud via AES 256-bit encryption prior to data being validated and migrated.

As the validation and/or migration occurs, the database will be unencrypted into a temporary, closed-network memory space to process the records. Once validation and/or migration has completed, the uploaded database will be deleted. The database and encryption keys will never be reused for subsequent runs of the validation or migration phases. Once the migration process is complete and your authority resides in the Code42 Cloud, your database is stored separately from the backup data and the encryption keys.

## Encryption key security

Code42's priority is to ensure the security of our platform and customer data. We adhere to some of the most stringent industry security standards and requirements. Independent third parties regularly review and audit our software and enterprise business and production operations in order to ensure ongoing security and compliance.

Archive encryption keys are held in the Code42 Keystore, which is a third-party key management system operated by Code42. The system ensures that encryption keys are stored separately from both customer data and the customer's Code42 authority. Encryption keys are encrypted in transit and at rest. Access to the Code42 Keystore is limited to a subset of Code42 Cloud administrators and is used for customer cloud support. All key access is logged and monitored and access is monitored and reviewed on a quarterly basis.

## QUESTIONS?

Talk to your Customer Success Manager to learn more.



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Code42 is the leader in insider risk detection and response. Native to the cloud, Code42 rapidly detects data loss, leak, theft and sabotage as well as speeds incident response – all without lengthy deployments, complex policy management or blocking employee productivity. With Code42, security professionals can protect corporate data and reduce insider risk while fostering an open and collaborative culture for employees. Backed by security best practices and control requirements, Code42's insider risk solution can be configured for GDPR, HIPAA, PCI and other regulatory frameworks.

More than 50,000 organizations worldwide, including the most recognized brands in business and education, rely on Code42 to safeguard their ideas. Founded in 2001, the company is headquartered in Minneapolis, Minnesota, and backed by Accel Partners, JMI Equity, NEA and Split Rock Partners. Code42 was recognized by Inc. magazine as one of America's best workplaces in 2020. For more information, visit [code42.com](https://code42.com), read [Code42's blog](#) or follow the company on [Twitter](#). © 2020 Code42. All trademarks property of their respective owners. (PO2010214)