

How Altinity worked with Cisco Umbrella to deploy FIPS-compatible ClickHouse

COMPANY NAME:

Cisco Umbrella

ABOUT THE COMPANY:

Cisco Umbrella is a cloud-delivered security service that provides a first line of defense against threats on the internet wherever users go.

For more information, please visit our joint webinar which goes into detail about [Altinity's work with the Cisco Umbrella team](#).

PROBLEM

Enabling the deployment of ClickHouse analytics in environments with stringent security requirements

To deploy analytics in secure environments up to and including FedRAMP (a standard for computing on US government systems), software and support need to pass compliance audits. FIPS 140-2 is a requirement for many US government systems, including those that meet FedRAMP standards. It is difficult and time-consuming to certify software fully against FIPS 140-2. Many vendors therefore deploy software that ensures FIPS-compatible operation for system components. At the time, there were no FIPS-compatible ClickHouse builds.

SOLUTION & RESULT

Partnering with Altinity to create FIPS-compatible Altinity Stable Builds

The Cisco Umbrella team worked together with Altinity so that ClickHouse analytics could be deployed in high security environments. Altinity created FIPS-compatible [Altinity Stable Builds](#) for ClickHouse, which significantly broadens the potential use cases for ClickHouse, allowing users, including those from Cisco Umbrella, to process government data.

Altinity Stable Builds are production-certified ClickHouse binaries based ClickHouse Long Term Support (LTS) releases. For more information on Altinity Stable Builds, visit our [website](#). For more information on FIPS-compatible Altinity Stable Builds, please visit our [Blog](#).