



Use Case: Agile Multinational Collaboration

SpiderOak Mission Systems' CrossClave enables teams to quickly create an agile, secure communication network from nothing but the locally available infrastructure and equipment.

Multinational missions demand rapid deployment and immediate response. Response teams need solutions that can react just as quickly as their reflexes. CrossClave, built on the SpiderOak Platform, can deploy in thirty minutes or less anywhere there is a connection. Any network that can send bytes can be leveraged by CrossClave.

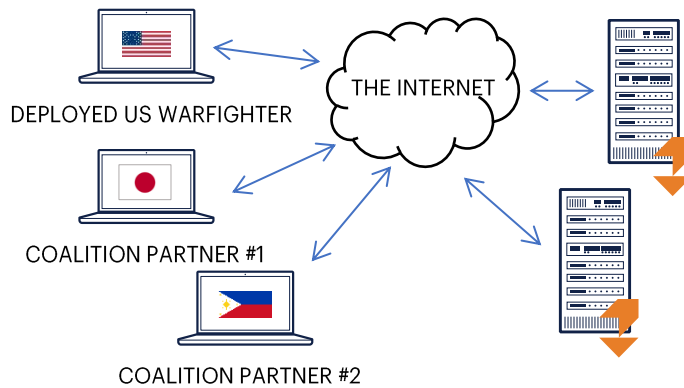
CrossClave connects teams, wherever they are, to their source of support, wherever they are. An operator in the Togiak Wilderness can securely get support from a team member on the other side of the world using untrusted networks. Because CrossClave supports IoT deployments, teams can easily integrate data from multiple autonomous sources.

Scenario: Disaster Strikes in the South China Sea

In the early morning hours, an earthquake strikes an ally in the South China Sea, crippling local responders and leaving devastation in its wake. Included in the devastation are areas of key tactical concern, requiring security and careful handling. The United States Military leads the multinational response. Joining them are a host of other nations, bringing varied teams and equipment to the site of the disaster.

In making sure help is delivered where it's needed most without delay, secure communications within the ad-hoc coalition is critical. Sensitive data about the situation on the ground needs to stay safe to prevent further panic and assure the safety of the responders and victims awaiting rescue. At the same time, communication must be easy enough to allow for effective response and coordination.

CrossClave, using equipment that can be found on the local economy and operating over any locally functional network, is ideal because it is fast to deploy, easy to use for



collaboration, and highly secure – even if local infrastructure (permanent or otherwise) is supplied or operated by adversarial countries.

Before the international aid even arrives, CrossClave teams can be set up using at-hand equipment. Practically instantaneously, the communications structure within the US responding force as well as the multinational response can be established. The average warfighter might have access to spaces dedicated to just their command, spaces for working with counterparts from other countries, and spaces specific to their AOR.

Multinational spaces might be supported by custom software ‘bots’ providing rapid translation to all participants while still protecting the data within. Responders might use bots as information assistants, providing a quick digest of big-picture news, or providing information from autonomous systems. As rescue forces recognize needs for new spaces, they could easily create those spaces and assign personnel and bots to them.

Automatic Data Policy Enforcement

An ad-hoc multinational disaster response lacks the data sharing agreements and their accompanying technical systems that a more established military alliance (such as NATO) enjoys. This obviously does not obviate the need to share— it just underscores the need for an agile security system. A powerful and flexible policy engine ensures that international agreements on data sharing are both strictly enforced while also getting out of the way of the end users. SpiderOak can take negotiated legal language and effectively translate it into a policy technically enforced on all transactions within the system. Users can easily get access to data they are cleared for, and data needing retention policies based on tags and attributes have it automatically enforced.

Operate Over Any Network.

SpiderOak has been providing cryptographically secure cloud solutions since 2006. Since 2019 we’ve been building partnerships that allow us to create the most strategic secure communication solutions that modern technology can provide. We know that no one knows your mission set like you do, so please reach out to us and let us know how we can build the solution that addresses your particular challenges.

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