

OVERVIEW

# FEDERATED MISSION ASSURED COMMUNICATIONS

We deliver innovative solutions to the information sharing challenges of the National Security & Defence mission

# REAL TIME, CLASSIFIED

## MISSION COLLABORATION

MindLink®'s cutting edge FRNIX federation protocol is specifically designed to securely share classified information only to those with a need to know, in real time, and on a federated platform trusted by mission partners.

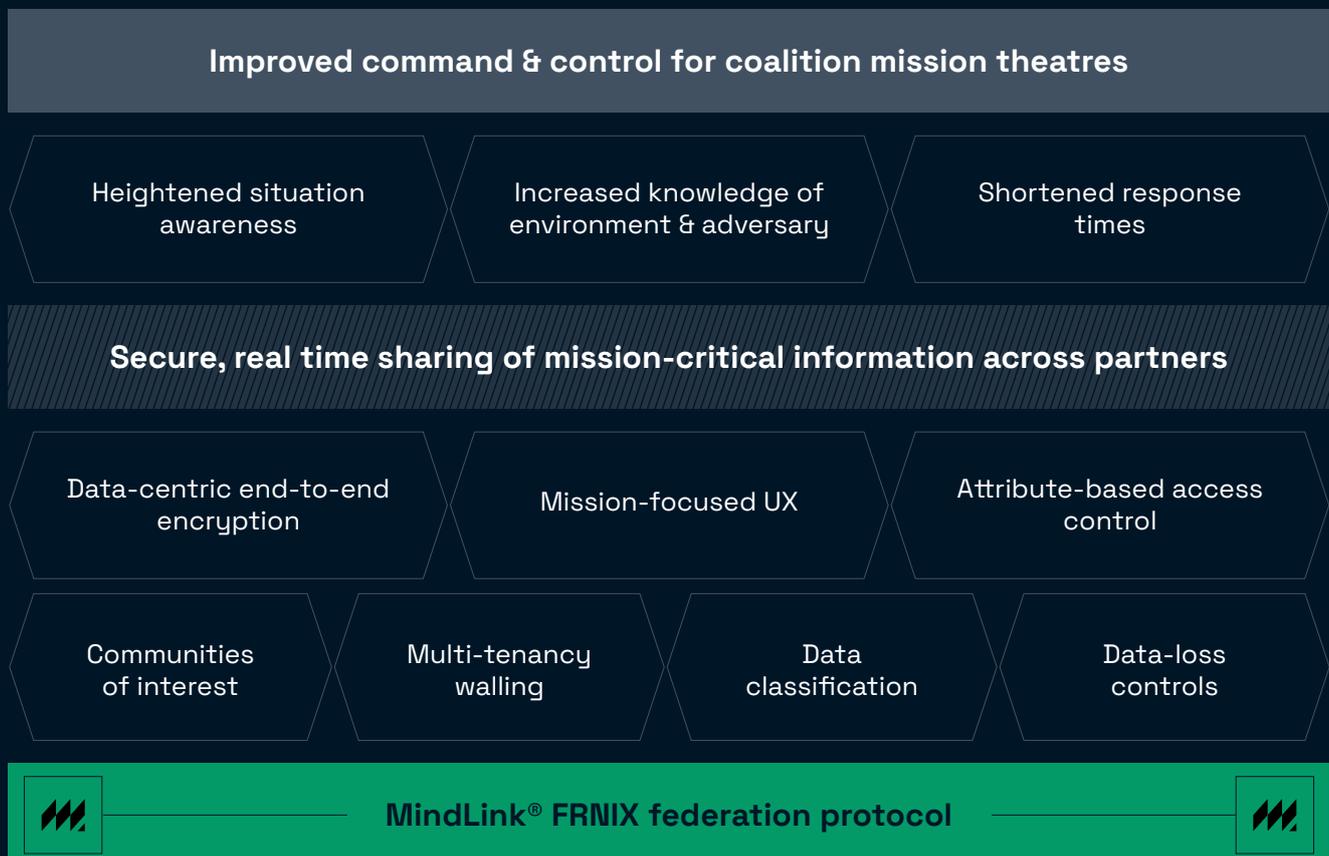
MindLink®'s solution addresses the dual challenges of collaborating with partners at the speed of the mission while protecting sensitive information from compromise.

Secure chat rooms deliver spaces where information can be shared with partners within

the constraints of strict access control policies, which leverage attribute backed access control to ensure that only the right users gain access to rooms, and to handle the reading on and reading off of users as permissions are updated.

Data ownership is assured in an asymmetric owner-consumer relationship, where MindLink®'s native classification support respects the classification schema of the data owner, and where trust is established at an organisation level to prevent unauthorised access to data.

### MindLink® solution map

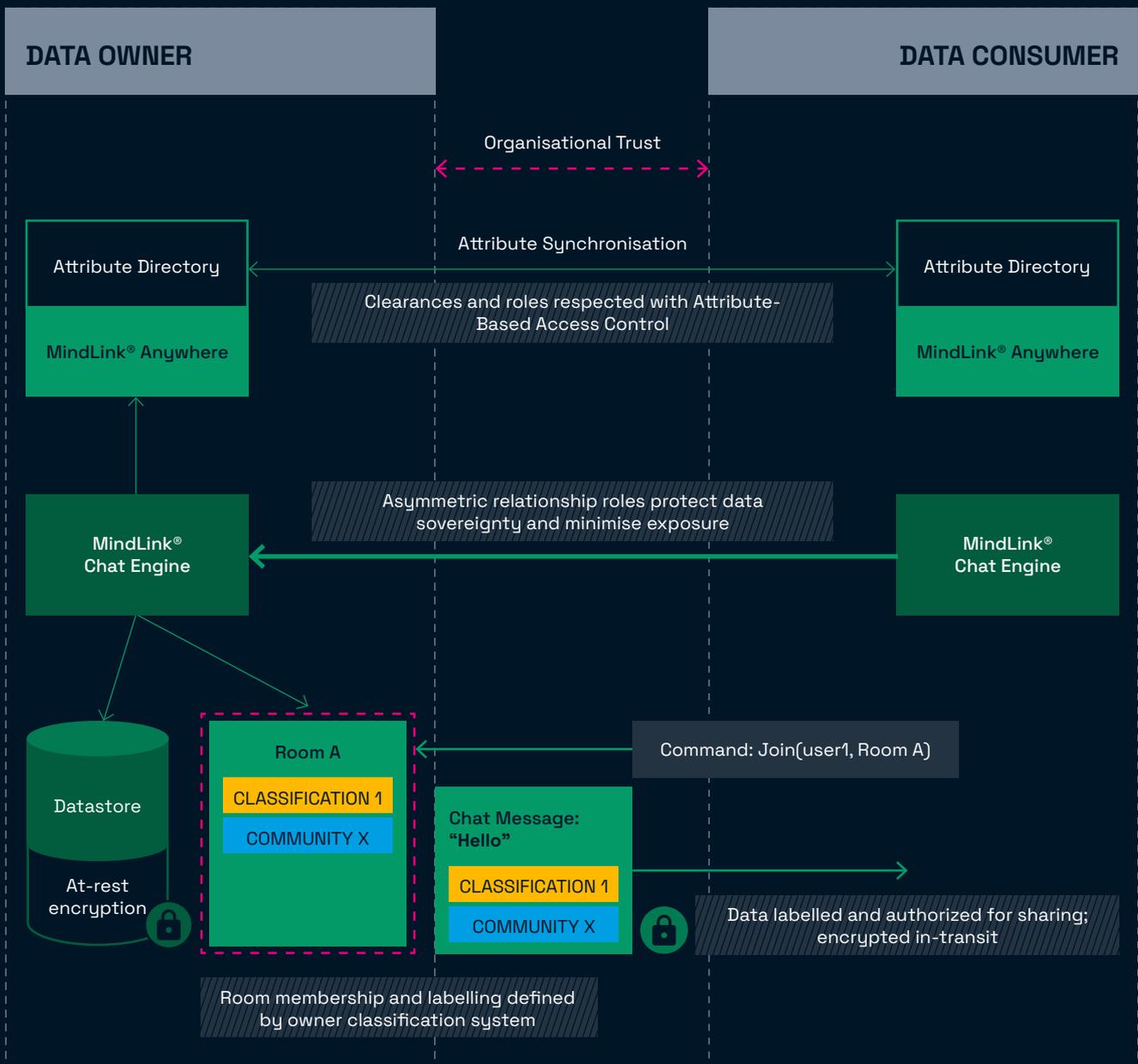


# DASA funded project

MindLink®'s "Secure federated persistent chat for classified information" project received funding from DASA in 2022-2023 to address the demanding challenges of real time communication across an agile, multi-domain, coalition mission environment. We have engineered a purpose built and future-proofed solution to address real-time collaboration specifically for:

- ✓ International coalition collaboration, en-masse with day zero readiness
- ✓ Cross-domain scenarios over asymmetric, data-centric protocol flows
- ✓ Forward-deployed tactical connectivity over ultra-low bandwidth and non-reliable links

## Data-centric federation architecture





## Secure chat rooms

MindLink® provides users with structured persistent chat rooms that are securely federated with coalition mission partners and forward-deployed assets.

Sharing of highly classified but mission critical information in real time is a vital aspect of effective command and control.



## Organisational trust

MindLink®'s federation architecture leverages an organisational trust model and integrates with corporate identity and directory infrastructure.

Mitigation of governance, regulation, and policy constraints associated with nationally sensitive topics is inherent to the protocol design.



## Federated attribute-based access control

MindLink®'s sophisticated attribute-based access control (ABAC) system is extended between coalition partners by the MindLink® federation protocol.

Automating both discovery and assurance of collaborating mission participants through multi-layered ABAC is key to data-centric security in coalition operations and “day zero” readiness.



## Optimised network footprint

Use of compression, event-based streaming, and scalable subscription and retry techniques delivers a highly efficient, versatile, and minimally-exposed network footprint.

Operational connectivity over poor and constrained network links delivers critical real time communication between all tactical mission components.



## Definitive sovereignty

With an innovative asymmetric design, MindLink®'s federation protocol - FRNIX, explicitly defines data ownership and flow to participating parties.

Sharing of data minimally, on demand, and ephemerally achieves a precisely-centralised federated network that preserves absolute data sovereignty between cooperating partners.



## Official data classification

MindLink®'s federation protocol natively incorporates national security classification systems for data labelling and access control.

Use of established handling practices for classified data allows sensitive information to be disseminated appropriately with minimised risk using cutting edge data-centric security techniques.



# ABOUT MINDLINK®

MindLink® enables organizations and their partners to harness their collective intelligence efforts by delivering collaboration tools into some of the most secure and demanding environments. Our customers rely on our technical expertise and close cooperation to address their current and emerging needs of the mission.

Driven by an ever-evolving mission landscape, MindLink® are dedicated to advancing mission execution through secure collaboration technology for a safer tomorrow.

For more information or inquiries please visit:  
[mindlinksoft.com](http://mindlinksoft.com)