

Use Case Scenario

COVID-19 EPIDEMIC

Challenges

During the outbreak of an epidemic military forces have two main challenges:

1. Firstly, they have an immediate need to track their own personnel, including their health and recently visited locations. This information is critical to ensure personnel are quarantined when required and ensure the safety of personnel.
2. Armed forces also then need to plan and respond to an epidemic to support the general population while at the same time maintaining their country's defences.

Ideal Solution

A platform that provides the ability to ensure information flow from fixed locations to the edge and back. Allowing Headquarters to quickly publish the most up-to-date information to personnel on the ground. As well as rapidly collecting large amounts of data from the field and making the analysed information available to decision makers.

Desired Outcomes

A scalable and flexible mission network that can support single nation, multi-nation and joint operations in a cost effective, delivery focussed way that is easy to use, manage and operate.

KEY CONCEPTS



PERSONNEL FILE
MANAGEMENT



MOBILE PUBLICATION
MANAGEMENT



MISSION PLANNING
AND SUPPORT

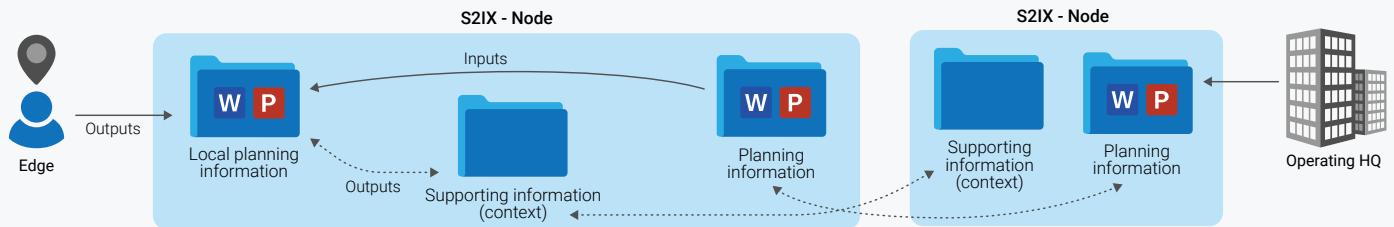


FEDERATED MISSION
NETWORKING

Use Case Scenario EPIDEMIC

Managing Personnel Files with S2IX

Where personnel files are in an electronic format they tend to be difficult to access from deployed locations. When ships are involved, this problem worsens due to personnel transfer between ships, or from ship to shore.



Scenario: Electronic personnel files can be stored within S2IX and then moved between locations based on where a person is transferred to. With the use of event triggered workflows, a personnel file can follow the service member when they are transferred between ships or to and from shore. S2IX Security ensures staff only access the parts of the file they should have access to.

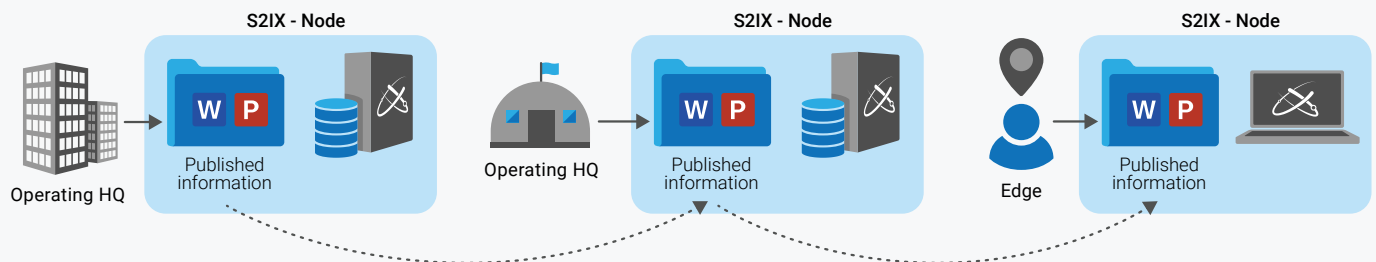
By using this approach, up to date copies of staff files are always available back on shore, as when a file is updated on a ship the changes are replicated back to shore. In the event of the loss of a ship, copies of up-to-date personnel files are available on shore.

S2IX provides the ability to easily manage all aspects of personnel files from cradle to grave, including the retrieval of archived information. The rich search and discovery ensures information is accessible when required.

Key S2IX Features: Document Management, Records Management, Content Replication, Search and Discover.

Mobile Publication Management with S2IX

To ensure the latest published information is available to mobile devices in the field and at the edge.



Scenario: Having the most up to date information in the field is critical in a number of different scenarios, particularly crisis response and management. During an epidemic for example, personnel need to know the latest information on quarantine measures and the latest information on the virus. Information created by Headquarters can be difficult to push to the field due to poor connectivity. Delays in receiving information can be costly and result in catastrophic mistakes. Through S2IX and its federated nodes, published information can be quickly and easily pushed from Headquarters to forward base or further to the edge ensuring the right information is made available to the right people, at the right time, regardless of connectivity issues.

Due to the flexibility of S2IX, a node could be as mobile as a laptop, making mobile publication not only achievable, but also streamlined. S2IX will automatically ensure the laptop is kept up to date with the latest publications using any available bearer.

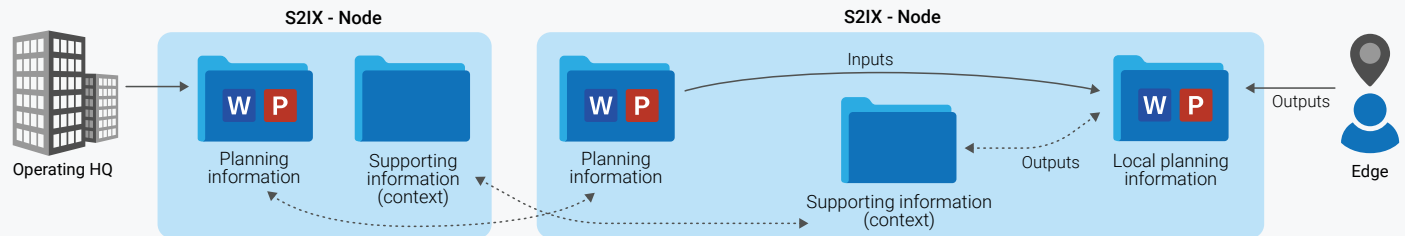
S2IX provides the ability to easily manage all aspects of content and documents from cradle to grave, including the retrieval of archived information. The rich search and discovery ensures information is accessible when required.

Key S2IX Features: Document Management, Records Management, Content Replication, Search and Discover.

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Mission Planning, Execution and Support with S2IX

To ensure the right people have right information at the right time, throughout the planning and execution of a mission. Also to ensure data is structured in the most easy to use manner.



Scenario: Support for the Warfighter begins with the quality of planning performed by Headquarters. Planning can occur over several months across dispersed locations and departments, often in isolation from organisational elements. This can result in information silos, incomplete planning and incorrect assumptions.

S2IX can support planning activities and ensure the planning products are made available to the organisational elements within the correct context and in a timely manner. S2IX federated nodes push outputs from the organisational elements to Headquarters which allows this information to be incorporated into current and future planning exercises. The outcome is a more comprehensive set of planning products and confidence that the right people have access to the right information, at the right time.

Once the Warfighter is participating in an event, information such as SITREPS, INTUPDATES, CUV and CUBs need to flow between Headquarters and the edge in a timely manner. S2IX supports this flow of data, which can be automated and driven, to ensure adherence to the daily battle rhythm. Easy to use dashboards highlight new content and provides a single access point to all relevant information.

During the lifetime of an activity, a number of business processes require the compilation, authorisation and release of information to various business roles. Traditionally, this is a manual process with limited ability to report on the status, locate the information being processed, or identify potential blocks to the process.

Using specialist tools like electronic forms and workflows, S2IX can turn unstructured data like SITREPS into highly-structured information and then guide it through the process of compilation, authorisation and release. Alerts and notifications working in conjunction with dashboard targeted information and ensure access to the right information at the right time.

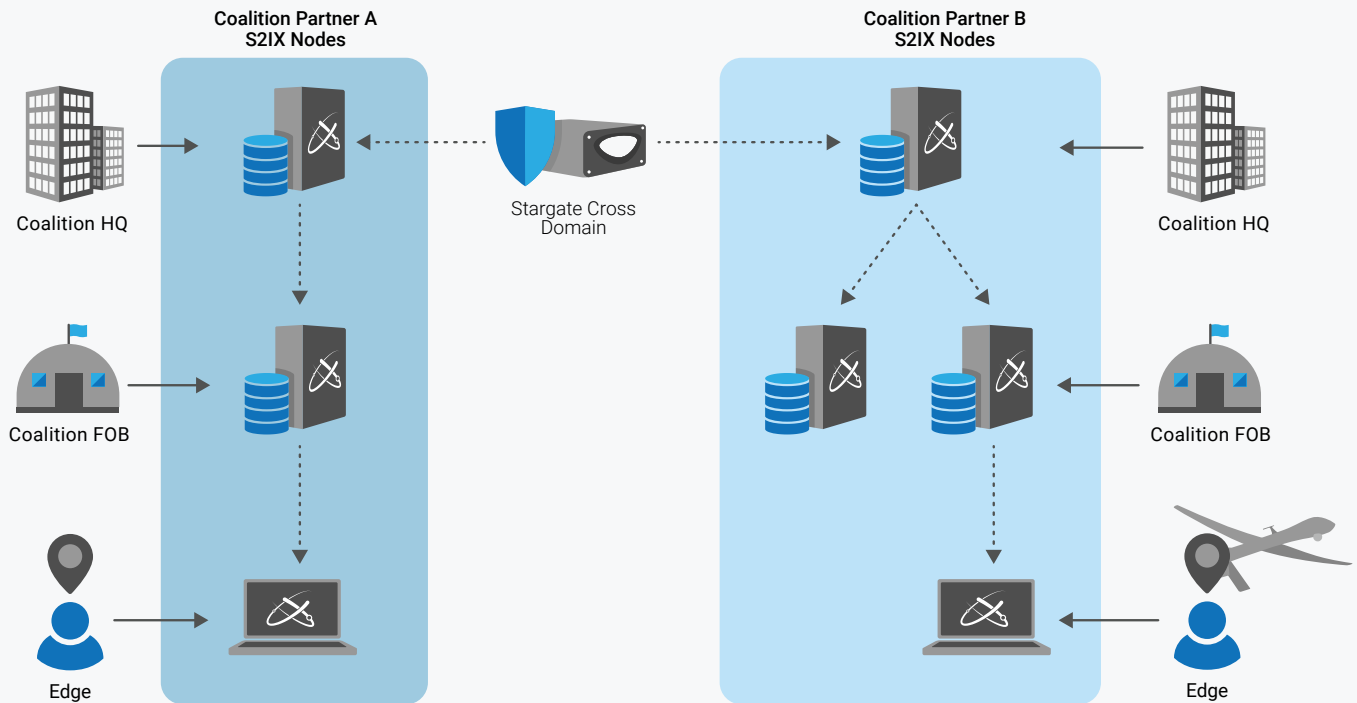
Through the planning, execution and support of missions, S2IX ensures the right information is made available to the right people at the right time, and within in the right context. The dashboards and search features ensure people can easily find what they require and are easily able to identify new content. The tools built into the platform allow processes to be configured to ensure they are correctly executed resulting in quality structured information.

Key S2IX Features: Knowledge Management, Sensor Data and Analytics, Robotics Process Automation, Document Management, Records Management, Content Replication, Search and Discovery.

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Federated Mission Network with S2IX

Enabling coalition partners to collaborate on real-time information to support rapid decision making on operations and exercises.



Scenario: Moving around and across networks can be a logistical nightmare to administer. Personnel moving between geographical locations, or between departments, right through to operating at the tactical edge – how can a user seamlessly transit a network without impact to their productivity? In addition, how can data transit the network, maintaining all contextual information to get to the places and people it needs to, all whilst keeping a rapid time to react philosophy at its core.

S2IX is able to ingest industry standard and NATO compliant sensor data, drone footage, and geospatial data to provide real time analytics and reporting of Big Data to the field or enterprise – wherever it is needed to support quick operational decision making. Coalition partners are able to securely share Big Data in multilateral engagements, whilst still allowing for information ownership and authority to be retained.

The S2IX Activity Manager allows for the rapid stand-up of a collaboration toolkit which aligns hand in hand with NATO specified Mission Types and Tasks. From Day Zero through Operation, Sustain, and Deactivation, S2IX is able to support wide-reaching organisations.

The challenge of being consistently able to provide secure access to information to those that have a genuine need-to-know is enabled through S2IX's unique security model. Attribute Based Access Control (ABAC) has been implemented to allow information to move throughout the network without fear of compromise.

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Contact us today to find out more about how S2IX can help you

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