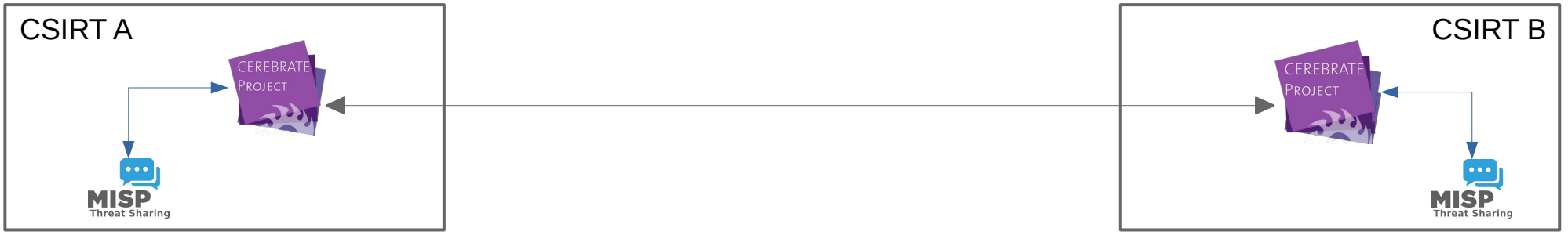
Cerebrate Local Tools Orchestration

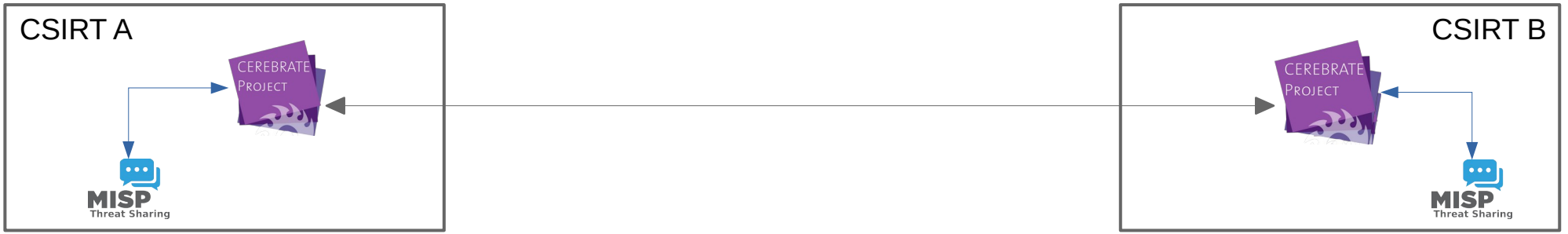
- Local Tools inter-connection is done in 3 phases
  1. Inter-connection **request**
  2. Request **accepted**
  3. **Finalise** inter-connection

MISP inter-connection via Cerebrate

- *CSIRT A* has a cerebrate instance connected to
  - Its local tool *MISP A*
  - Another Cerebrate instance owned by *CSIRT B*
- *CISRT B* also has cerebrate instance connected to
  - Its local tool *MISP B*
  - The Cerebrate instance owned by *CSIRT A*

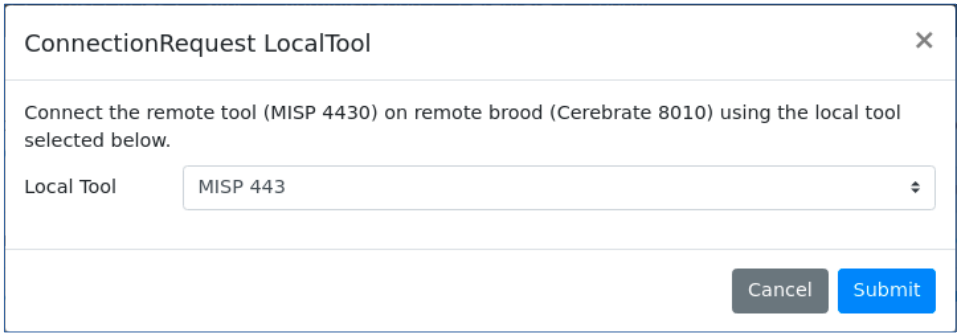
Objective: Inter-connect *MISP A* and *MISP B*

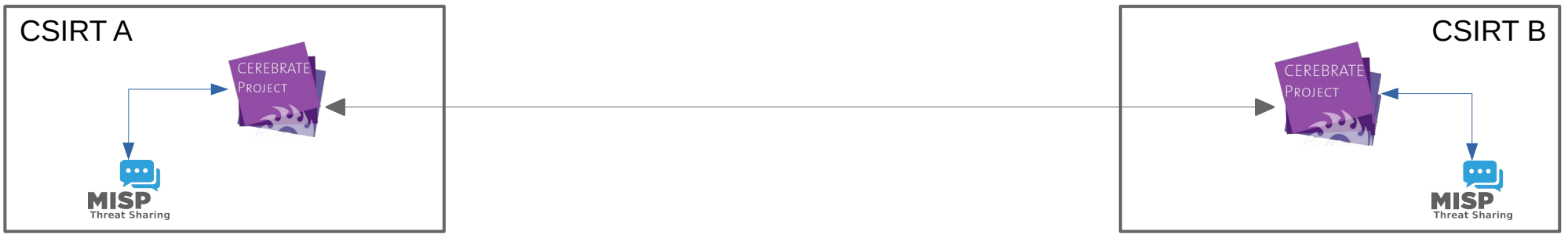



CSIRT A
CEREBRATE PROJECT
MISP
Threat Sharing
CSIRT B
CEREBRATE PROJECT
MISP
Threat Sharing

Phase 1

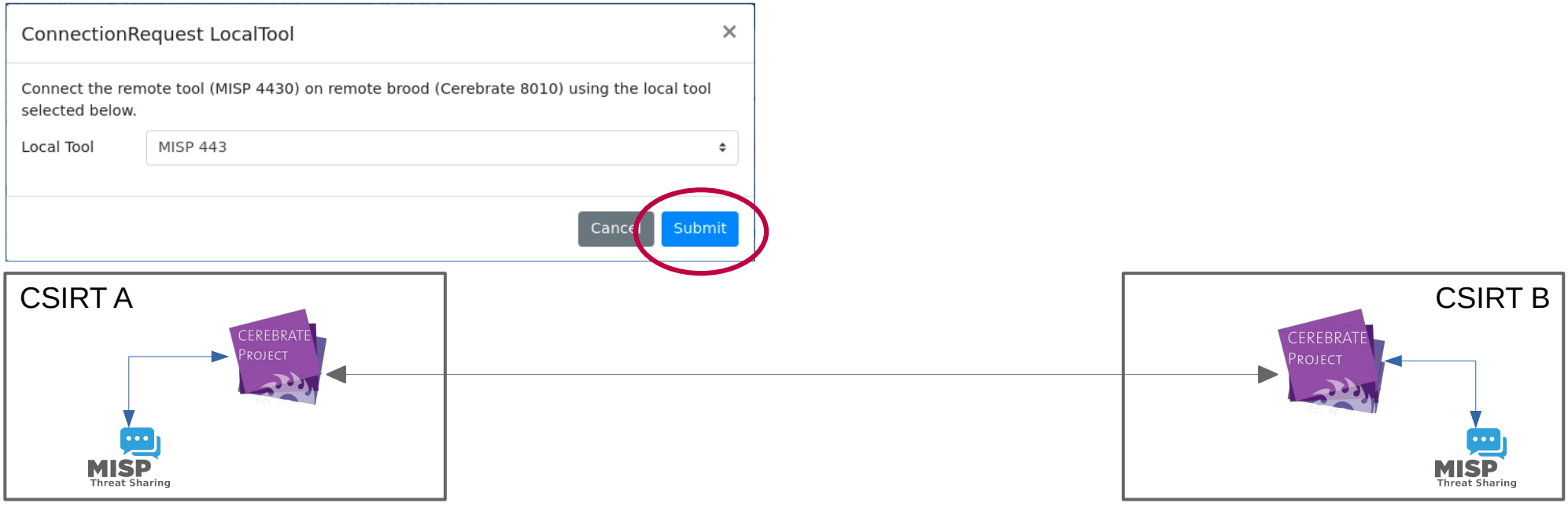
A user initiate a connection request from Cerebrate

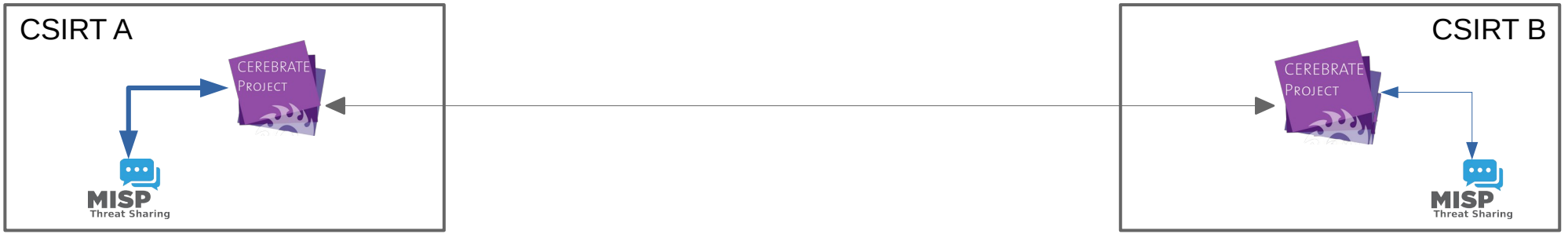




Phase 1

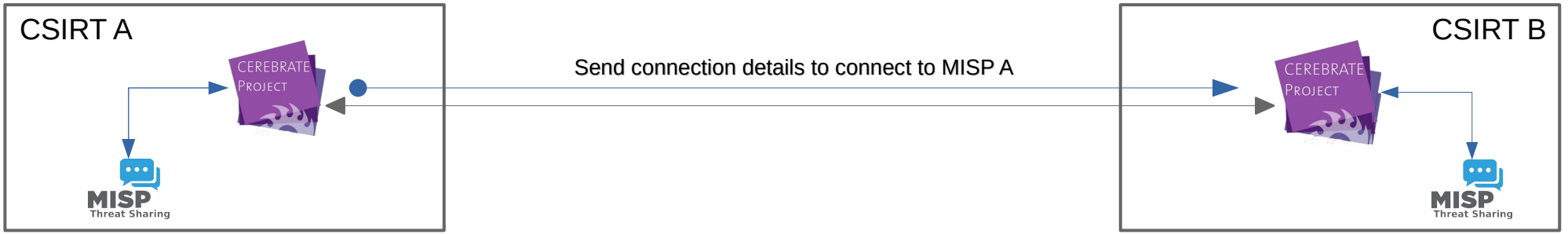
A user initiate a connection request from Cerebrate





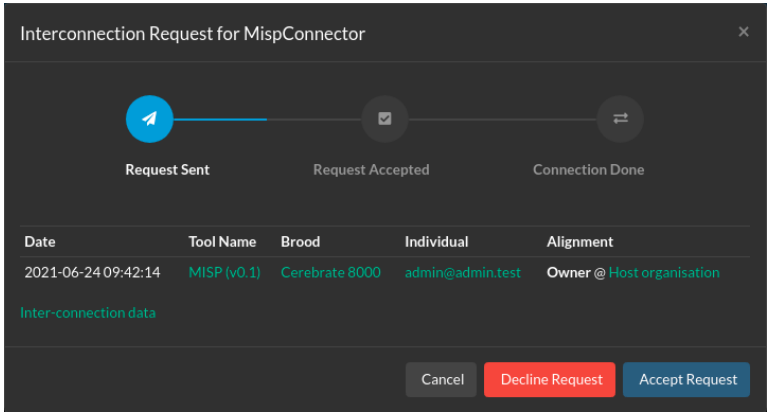
Create disabled user for MISP B

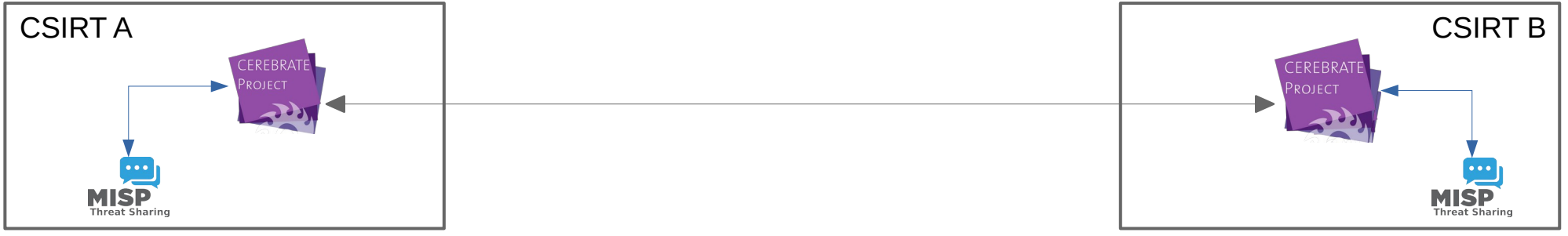
Phase 1


CSIRT A
CEREBRATE PROJECT
MISP
Threat Sharing
Send connection details to connect to MISP A
CSIRT B
CEREBRATE PROJECT
MISP
Threat Sharing

Phase 1

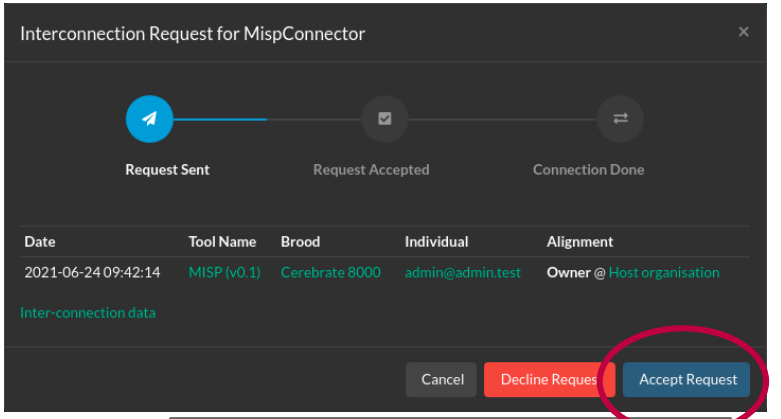
Inter-connection request message

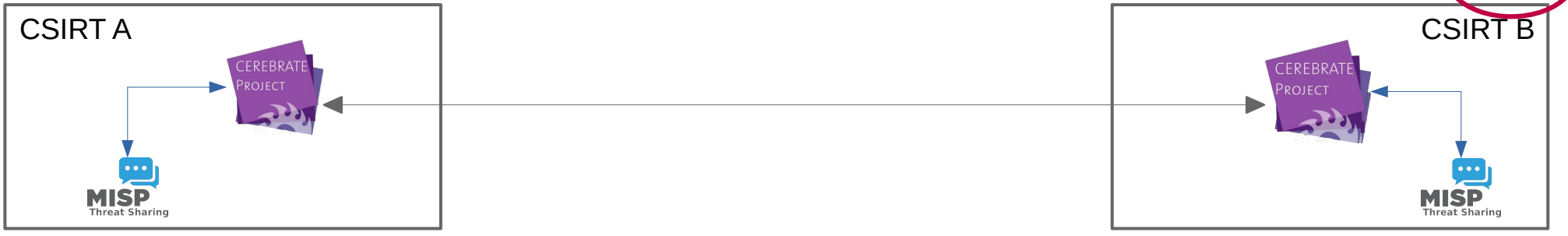




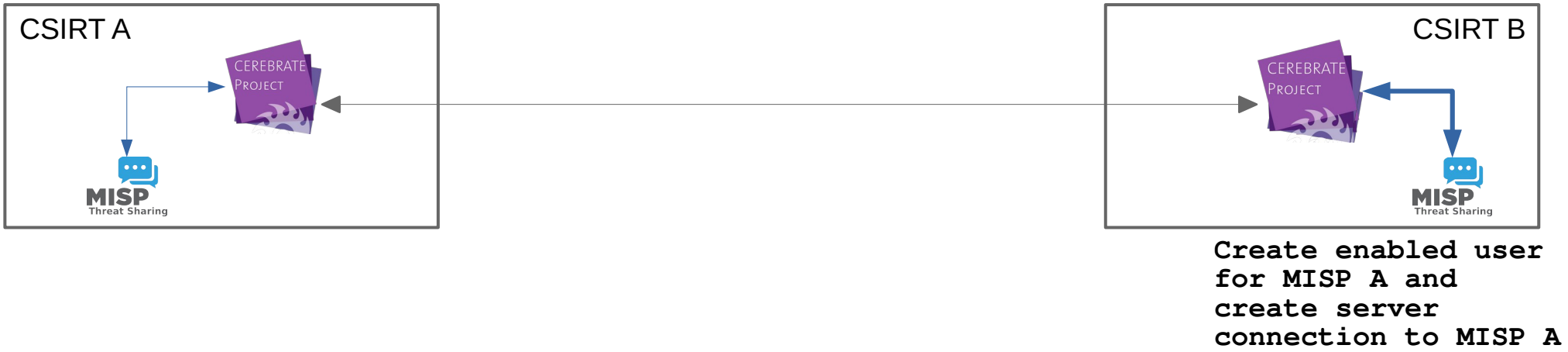
Phase 2

Inter-connection request message

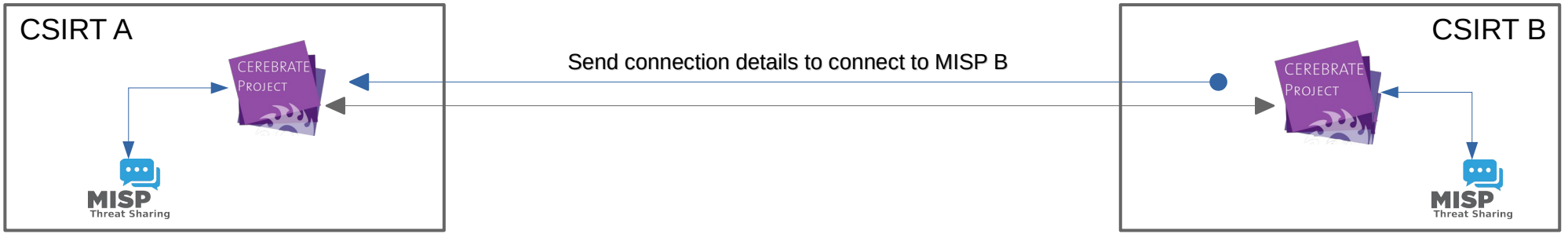




Phase 2

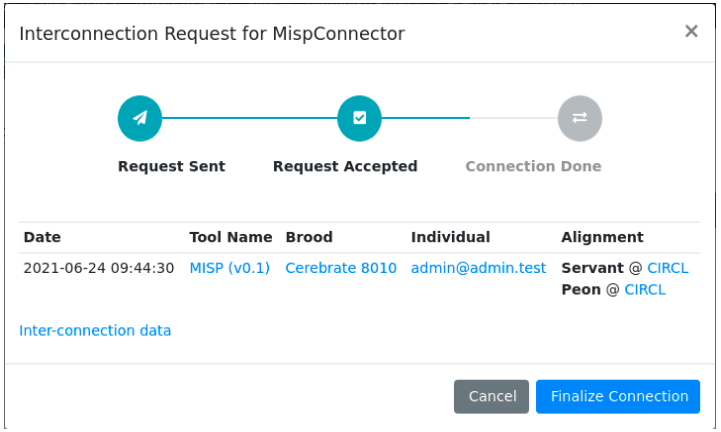

CSIRT A
CEREBRATE PROJECT
MISP
Threat Sharing
CSIRT B
CEREBRATE PROJECT
MISP
Threat Sharing
Create enabled user for MISP A and create server connection to MISP A

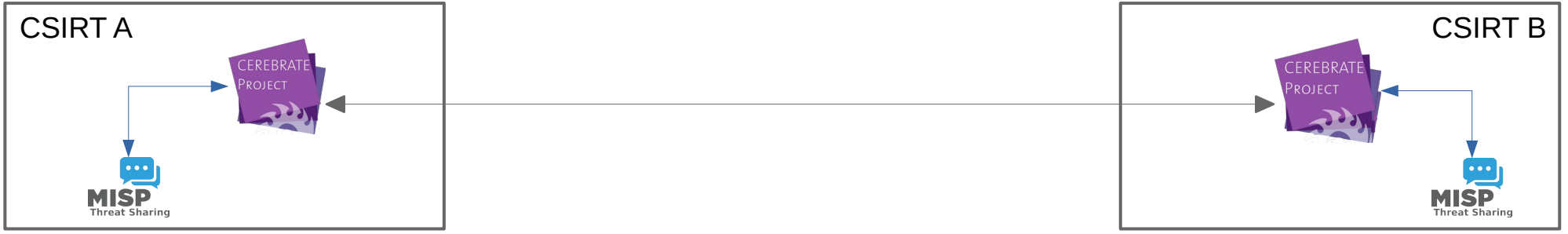
Phase 2


CSIRT A
CEREBRATE PROJECT
MISP
Threat Sharing
Send connection details to connect to MISP B
CSIRT B
CEREBRATE PROJECT
MISP
Threat Sharing

Phase 2

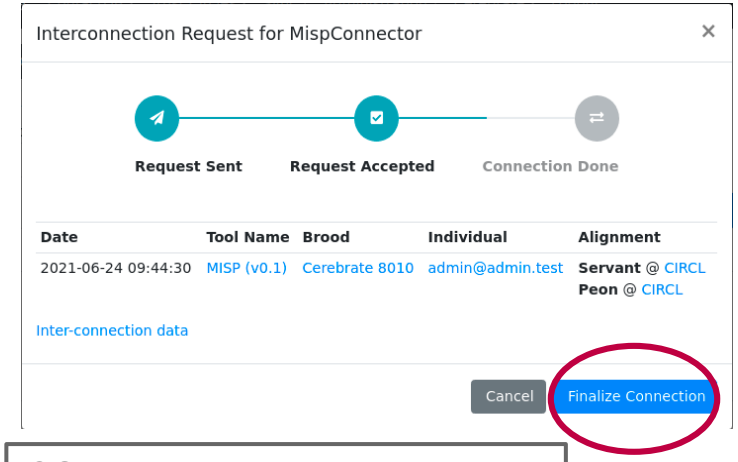
Inter-connection accepted message

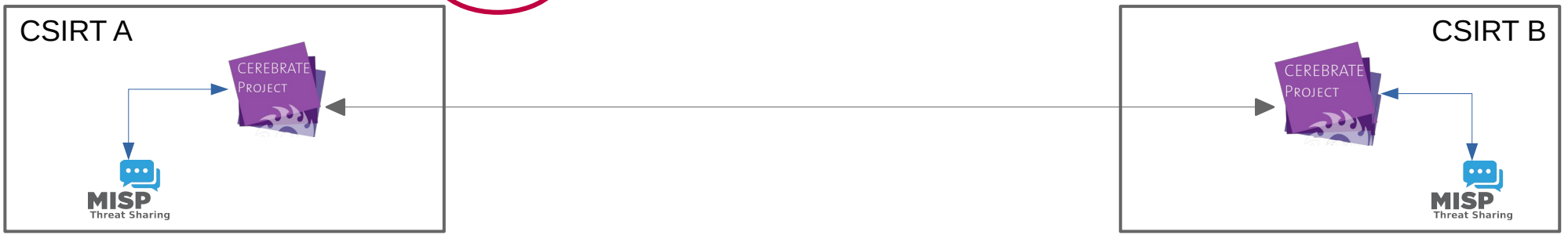


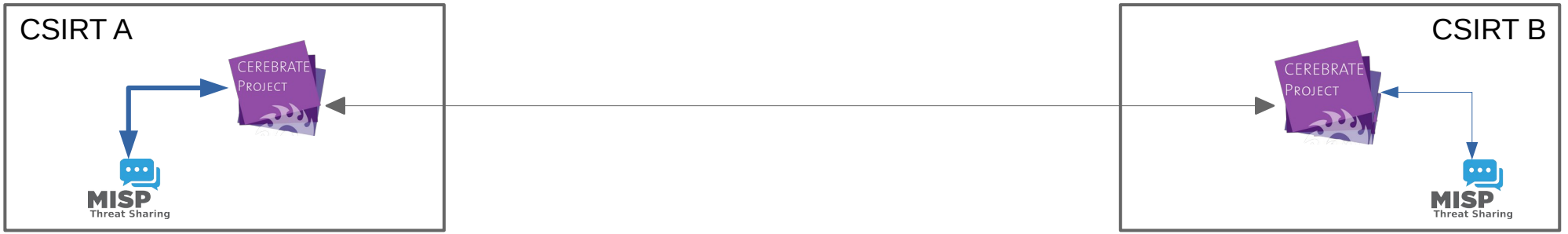


Phase 3

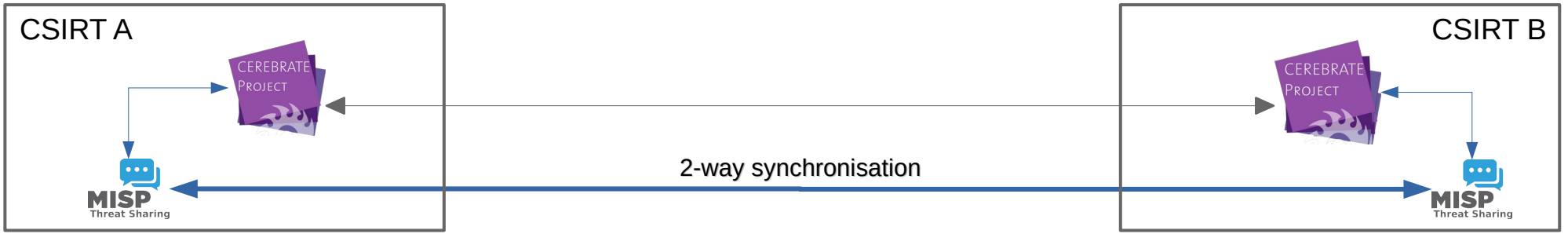
Inter-connection accepted message







Create server connection to MISP B and enable user


CSIRT A
CEREBRATE PROJECT
MISP
Threat Sharing
2-way synchronisation
CSIRT B
CEREBRATE PROJECT
MISP
Threat Sharing

Phase 3

Summary: Inter-connecting two MISP instances via Cerebrate

- On **Cerebrate A**, issue a connection *request* to **Cerebrate B**
  1. Go to `/broods/index` on **Cerebrate A**
  2. Click on the wrench icon (🔧)
  3. From the list, pick the instance you want to connect to by clicking on the plug icon (🔌)
  4. From the list, pick the local instance you want to be connected to the remote instance
- Accept the connection request and send the *acceptance* message
  1. Go to `/inbox/index` on **Cerebrate B** and process the message
- Finalize the connection on **Cerebrate A**
  1. Go to `/inbox/index` on **Cerebrate A** and process the message