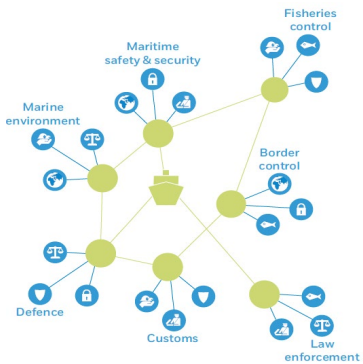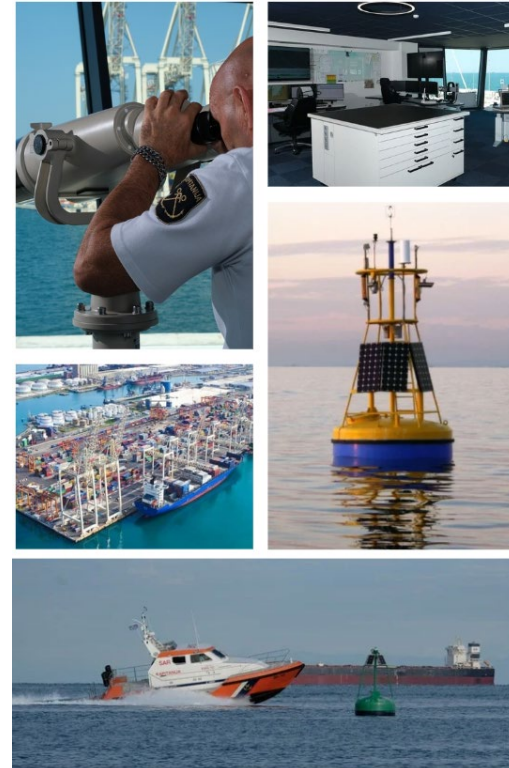# CISE-ALERT

CISE's operationalization launch through A Long Endurance and Real live Test

CISE-ALERT Workshop:
How to set up an adaptor

Slovenian adaptors

CISE-ALERT VIP DAYS, Rome, 11.-12. September 2024

Klemen Omahen- Slovenian Maritime Administration (MzI-SMA)

Co-funded by the European Union

REPUBLIC OF SLOVENIA
MINISTRY OF INFRASTRUCTURE

SLOVENIAN MARITIME ADMINISTRATION

Slovenian CISE node & LS

- Cooperation Agreement : **signed in 2022**

- Node owner: **Slovenian Maritime Administration**

- Connected nodes (9): **EMSA, SATCEN, IT (ASI), FR, GR, ES, BG, DE, IT (GC)**

- Planned connections: **HR, EFCA**

- Cise services: **Vessel of Interest List, Area of Interest, Risk profile, Request for Operational Assistance (Assets), Location Document, Document**

- Legacy systems: **VTS Console/Pelagus/VTMIS**

Cise adaptors

- AIS adaptor
  - Provider of AIS information

- WMS adaptor
  - Provider of meteorological forcasts (from ARSO)
  - Provider of nautical charts, Boundries
  - Consumer of meteorological forcasts, satellite imagery …

- Generic adaptor v1 & v2
  - CISE operational services

WMS adaptor

- CISE WMS Adaptor is an application to proxy GetCapabilities request from WMS Client(s) to WMS Server(s) through the CISE Network

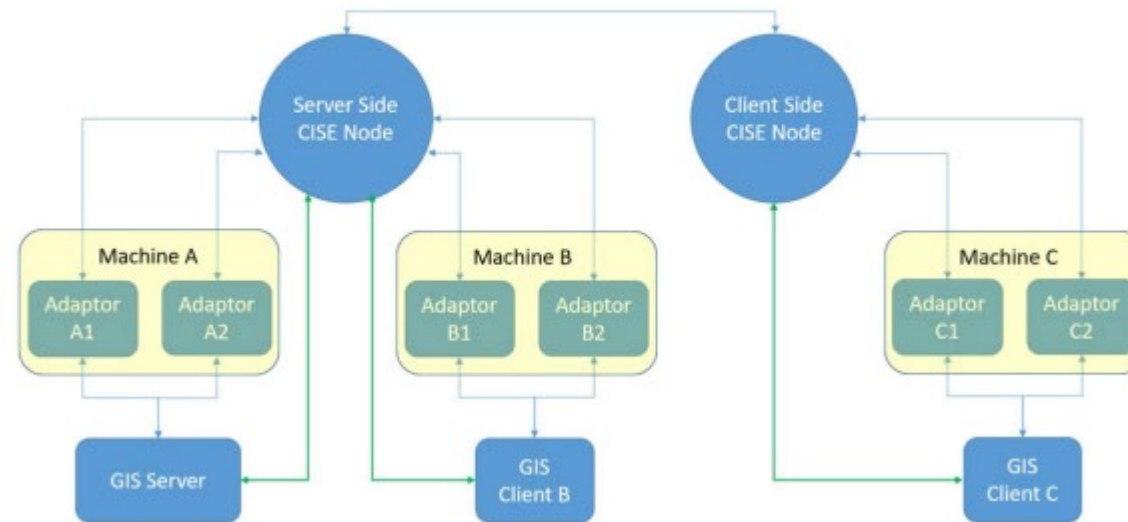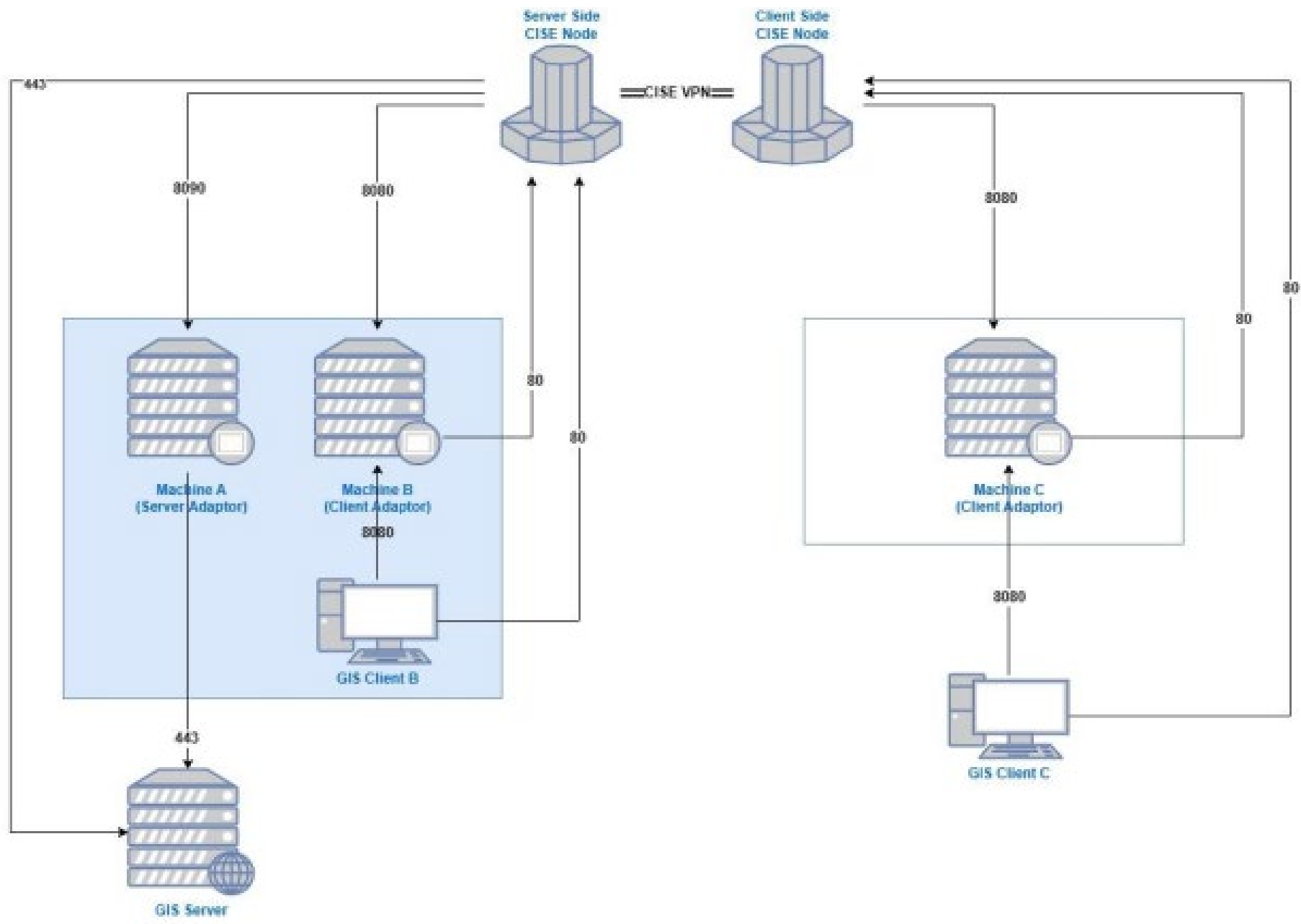**Figure 2.** Scenario with CISE Nodes, multiple Adaptors, GIS Clients and Server

Figure 4. Network diagram – two CISE Nodes

List of Services

Home / This Node - Services

+ ADD SERVICE

FILTERS ∧

Participant ID	Community ▾	Service Type LocationDocumentService ▾	Service Role ▾
Service ID	Function ▾	Service Operation ▾	Service Status ▾

CLEAR   APPLY

Service ID	Service status ↑	Service type	Service Operation	Service role	Participant ID	Actions
si.nodesi.meteoclient.locationdocument.pull.consumer	Online	LocationDocumentService	Pull	Consumer	si.nodesi.meteoclient	⊘
si.nodesi.meteoserver.locationdocument.pull.provider	Online	LocationDocumentService	Pull	Provider	si.nodesi.meteoserver	⊘ ⋮
si.nodesi.wmsadapclient.locationdocument.pull.consumer	Online	LocationDocumentService	Pull	Consumer	si.nodesi.wmsadapclient	⊘
si.nodesi.wmsadapserver.locationdocument.pull.provider **Open**	Online	LocationDocumentService	Pull	Provider	si.nodesi.wmsadapserver	⊘ ⋮

Slovenian (consumer) setup

CISEConsole

File Target Tools Map Resources Settings Window

Map
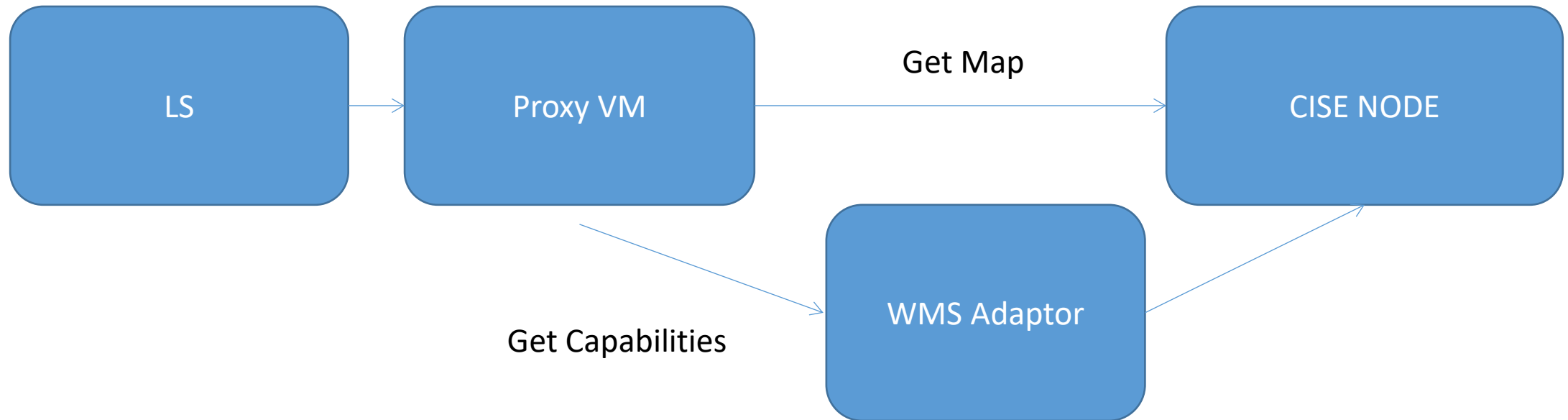
Base Layer
- ▸ Base Layer
- ▾ ☑ Overlays
  - ☑ EMSA WMS
  - ☐ GRIB
- ▸ ☑ Chart
- ▸ ☑ Resources
- ▸ ☑ Targets
- ▸ ☐ Weather
- ▾ ☑ CISE
  - ☑ CISE Document Notes
- ▸ ☐ STM

VOI VOI List

VOI: 8

Owner ID	Name	MMSI	IMO	Type	Call Sign	Flag	Speed (..	COG	+	Remove
ui.nodes..	ADMIRA..	6360205..	9437220	NonSpe..	DSZV8		0.1	186.0		Clear All
ui.nodes..	BBC LO..	3058900..	9513658	NonSpe..	V2EJ2		0.1	360.0		
ui.nodes..	BREB C..	2558060..	9421178	NonSpe..	COIQ9		0.1	110.0		
ui.nodes..	BIG AS..	2785150..		NonSpe..	SSZ2017		3.0	121.8		
ui.nodes..	VICTOR..	2731826..		NonSpe..	UXLA		4.8	258.2		
ui.nodes..	MSC CH..	6360205..	9330238	NonSpe..	DSEV4		9.0	58.8		
ui.nodes..	FOREVER..	2470371..		NonSpe..	IN45544		7.4	359.5		
gr.code..	AGIOS G..	2565500..	⚠ 969..	OilTanker	9HA3948		0.1	320.1		

VOI Service [▾]

Document List

Owner ID	DT	Latitude	Longitude	Attachment	+	Remove
eu.satcen.bm-sat..	06-13 15:20	45°33.0282'N	013°38.0932'E	📄		Clear All

Target Info

▾ **General**

Name	AGIOS GERASIMOS
Flag	🟥 MLT
MMSI	256550000
IMO Number	9693056
Call Sign	9HA3948
ENI Number	-
Ship and Cargo Type	Tanker(s) (80)
Length	250 m
Width	44 m
Departure	
ETD (MM-dd HH:mm)	-
Draught	12 m
Number of Persons	-
Crew Members	-
Passengers	-
Destination	ITTRS
ETA (MM-dd HH:mm)	06-04 22:00
Gross Tonnage	-
Special Tag	
Identification	Automatically by AIS
Target Type	Vessel
ID	205_1718267139607

Warnings

▸ Dynamics
▸ Route
▸ AIS

Vessels   ✈ Air   📍 Fixed   CPA/TCPA

Targets: 328   Search [   ] Filter [Confirmed ▾] [Lock Selection] [Export ▾]

Warnings	Special Tag	Name	Flag	Call Sign	IMO Number	MMSI	Ship and Cargo Type	Destination	ETA	Delay(s)	Speed (knots)	ReP Distance (NM)	ReP Bearing (°)	ReP TTG	Navigational Status	(LxW)m	AIS Device	Con. Tr. Status
		AGIOS GERASIMOS	MLT	9HA3948	9693056	256550000	Tanker(s) (80)	ITTRS	06-04 22:00	37	0.1				At anchor	250x44	CLASS A	TRACKED
		NACC CAPRI	PRT	CQWE	9795244	255865000	Cargo Ships (70)	IT PMA	06-13 06:00	37	0.1				At anchor	110x16	CLASS A	TRACKED
		VINEUX JOJO	DEU	DDCV2		211153510	Vessel - Sailing (36)			36	0.1					14x5	CLASS B	TRACKED
		LORELEI	DEU	DF3231		211238330	Vessel - Pleasure craft (37)			37	0.0					10x3	CLASS B	TRACKED
		COLINSBAV	DEU	DA7352		211525100	Vessel - Sailing (36)			36	0.2					10x4	CLASS B	TRACKED

Generic adaptor

LS	→	Generic Adaptor	→	Node
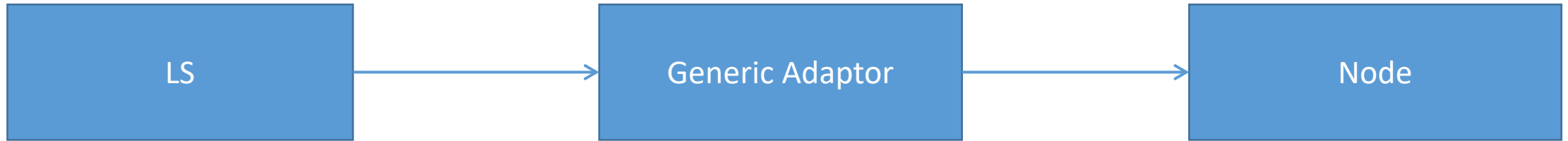
-create xml
-add payload

-check xml
-add sender and
recipient information
-sign message
-send to the node

si.nodesi.vtmadaptor.action.push.consumer.aoi	Online	ActionService	Push	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.action.push.provider.aoi `Open`	Online	ActionService	Push	Provider	si.nodesi.vtmadaptor	⊘ ⋮
si.nodesi.vtmadaptor.action.subscribe.consumer.aoi	Online	ActionService	Subscribe	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.action.subscribe.provider.aoi `Open`	Online	ActionService	Subscribe	Provider	si.nodesi.vtmadaptor	⊘ ⋮
si.nodesi.vtmadaptor.operationalasset.push.consumer	Online	OperationalAssetService	Push	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.operationalasset.push.provider	Online	OperationalAssetService	Push	Provider	si.nodesi.vtmadaptor	⊘ ⋮
si.nodesi.vtmadaptor.operationalasset.subscribe.consumer	Online	OperationalAssetService	Subscribe	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.operationalasset.subscribe.provider	Online	OperationalAssetService	Subscribe	Provider	si.nodesi.vtmadaptor	⊘ ⋮
si.nodesi.vtmadaptor.vessel.push.consumer	Online	VesselService	Push	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.vessel.push.consumer.voi	Online	VesselService	Push	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.vessel.push.provider.voi `Open`	Online	VesselService	Push	Provider	si.nodesi.vtmadaptor	⊘ ⋮
si.nodesi.vtmadaptor.vessel.subscribe.consumer	Online	VesselService	Subscribe	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.vessel.subscribe.consumer.voi	Online	VesselService	Subscribe	Consumer	si.nodesi.vtmadaptor	⊘
si.nodesi.vtmadaptor.vessel.subscribe.provider.voi `Open`	Online	VesselService	Subscribe	Provider	si.nodesi.vtmadaptor	⊘ ⋮
si.nodesi.vtmadaptor.risk.pull.consumer.risk	Test	RiskService	Pull	Consumer	si.nodesi.vtmadaptor	⊘ ✏ 🗑
si.nodesi.vtmadaptor.risk.pull.provider.risk	Test	RiskService	Pull	Provider	si.nodesi.vtmadaptor	⊘ ✏ 🗑 ⋮
si.nodesi.vtmadaptor.risk.push.consumer.risk	Test	RiskService	Push	Consumer	si.nodesi.vtmadaptor	⊘ ✏ 🗑
si.nodesi.vtmadaptor.risk.push.provider.risk `Closed`	Test	RiskService	Push	Provider	si.nodesi.vtmadaptor	⊘ ✏ 🗑 ⋮

Key insights

- CISE sim
- CISE console
- Access to logs

Questions?

CISE-ALERT
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Thank you for your attention!

Klemen Omahen

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MINISTRY OF INFRASTRUCTURE
SLOVENIAN MARITIME ADMINISTRATION

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