



CBRN-Analysis NG, IT Terminology

Continuous Improvement Working Group (CIWG) 5th / 6th November 2025

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CTO

CONTENT



How

The inner working of CBRN-Analysis NG

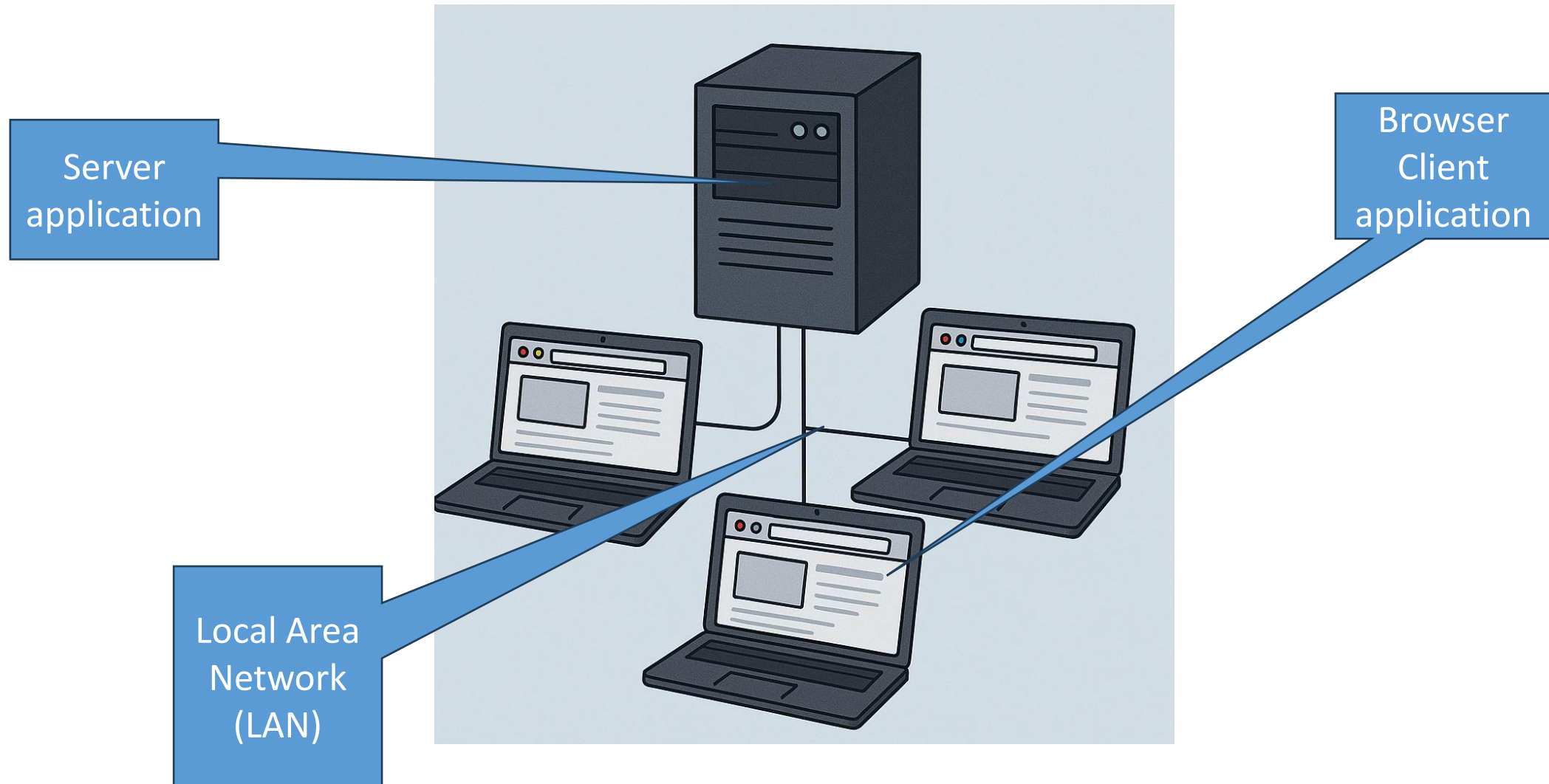
Deployment

CBRN-Analysis NG deployments

HW / SW

Hardware and Software requirements

How does it work?



Server application

Perform the CBRN calculation

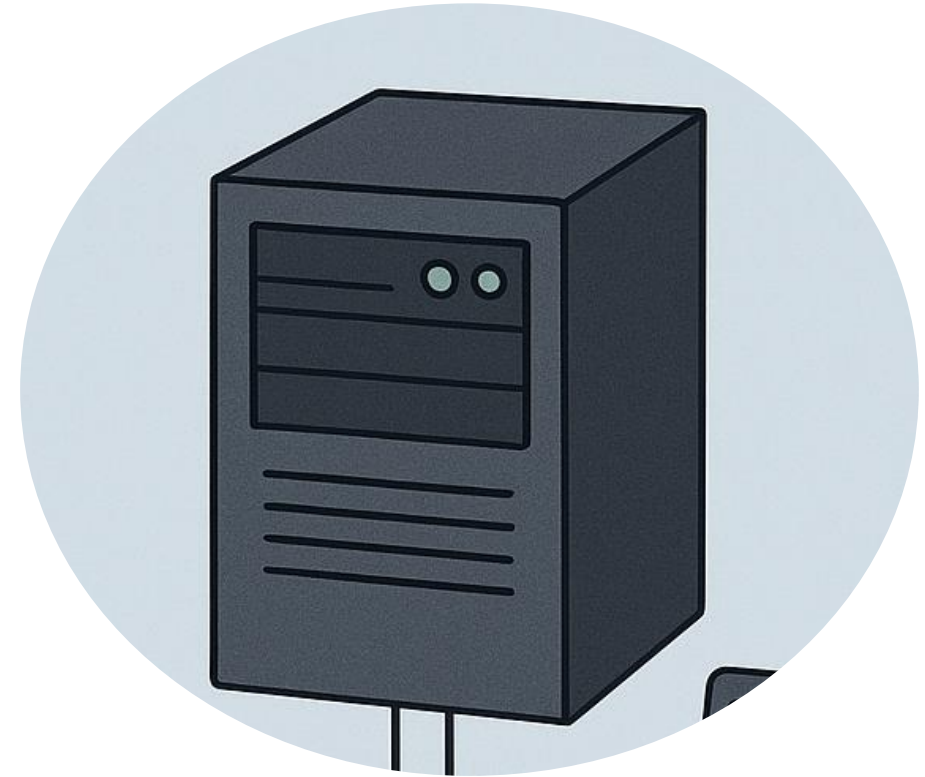
Keep the state of the current CBRN situation

Store the CBRN information

Perform communication with other systems

Serve the current CBRN situation and
Information to the clients

Serve the Map data (WMS) to the clients



Browser Client application

The operator interact with the CBRN Browser App

- Enter CBRN information

- Perform calculations

- Communication with other systems

Visualise the CBRN situation and information

Visualise the Map data from Map data server (WMS)

- this can also be Map data from other Map Data servers (WMS)



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Hardware and Software requirements

Single Computer – one operator

Server application and Browser Client application installed and running on the same computer - One computer with everything just as CBRN-Analysis today

The Browser Client application will be running locally in a browser

CBRN-Analysis NG

What of Planner

What of Planner

Wind speed 10.1 km/h

Wind Direction 270 >

Stability class C >

Temperature 20°C

Agent Library

VX

Scenario slider

0-12 h

Workstation – up to 4 operators

Server application and Browser Client application installed and running on the workstation computer

Browser Client application running on up to three additional client computers

The Browser Client applications will be running locally in a browser on the workstation and the client computers

Server – up to 10 operators

Server application installed and running on the server computer

Browser Client application running on up to ten additional client computers

The Browser Client applications will be running in a browser on the client computers

This will provide a more secure deployment as the server computer can be locked away and protected. The client computers can if needed quickly be left behind and will not need to be destroyed as there is no information stored on the client computers.

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CBRN-Analysis NG deployments



HW / SW

Hardware and Software requirements

Hardware

Recommended

	Server	Workstation	Single Computer	Browser Client
CPU	Intel i9 14 cores 28 threads	Intel i9 10 cores 20 threads	Intel i5 6 cores 6 threads	N/A
RAM	32GB	24GB	16GB	1GB (used by browser)
Disk	+500GB	+500GB	+100GB	N/A
Network	1 Gbps	1 Gbps	1 Gbps	1 Gbps
Graphics adapter with support for WebGL 2.0	N/A	NVIDIA (+GeForce 400 series), AMD (+Radeon HD 5000 series), and Intel (+HD 4000 series)	NVIDIA (+GeForce 400 series), AMD (+Radeon HD 5000 series), and Intel (+HD 4000 series)	NVIDIA (+GeForce 400 series), AMD (+Radeon HD 5000 series), and Intel (+HD 4000 series)
Monitor	N/A	HD (1920 x 1080)	HD (1920 x 1080)	HD (1920 x 1080)
Keyboard	N/A	Any	Any	Any
Mouse	N/A	2 button wheel	2 button wheel	2 button wheel

Software

	Server	Workstation	Single Computer	Browser Client
Operating System with active support	Microsoft Windows Server 2016, 2019, 2022, 2025	Microsoft Windows 11 Pro / Enterprise	Microsoft Windows 11 Pro / Enterprise	N/A
Communication out of the box	Shared folder POP3, SMTP and IMAP NFFI/FFTS	Shared folder POP3, SMTP and IMAP NFFI/FFTS	Shared folder POP3, SMTP and IMAP NFFI/FFTS	N/A
Formats	APP-11, APP-6, NVG, KML, Microsoft Word	APP-11, APP-6, NVG, KML, Microsoft Word	APP-11, APP-6, NVG, KML, Microsoft Word	N/A
Browser – latest version	N/A	Microsoft Edge Google Chrome Firefox	Microsoft Edge Google Chrome Firefox	Microsoft Edge Google Chrome Firefox



QUESTIONS



THANK YOU



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