

# INSIDE THIS ISSUE

---

## PG. 2

The case for visualization

---

## PG. 3

DepMapper



# MAPPING THE CRITICAL INFRASTRUCTURE WITH DEPMAPPER



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 740723. This communication reflects only the author's view and the Commission is not responsible for any use that may be made of the information it contains.

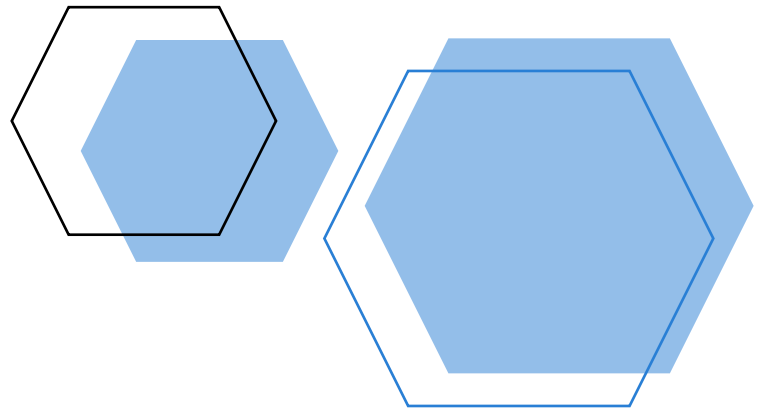


# THE ISSUE

THE NET IS THE NEW UNDERLYING INFRASTRUCTURE FOR CIVILIZATION ITSELF – DAVID "DOC" SEARLS

During the last decades, our computers with their networks became part of the critical infrastructure. Such systems span their complexity from governments, cooperations and national boundaries to our pockets and homes.

These dependencies and interdependencies contain multiple dimensions, for example: hardware, software and critical personal as well. How can we know which element is located in where? Such a support system must be able to adapt flexible and be able to scale to a large amount of data.

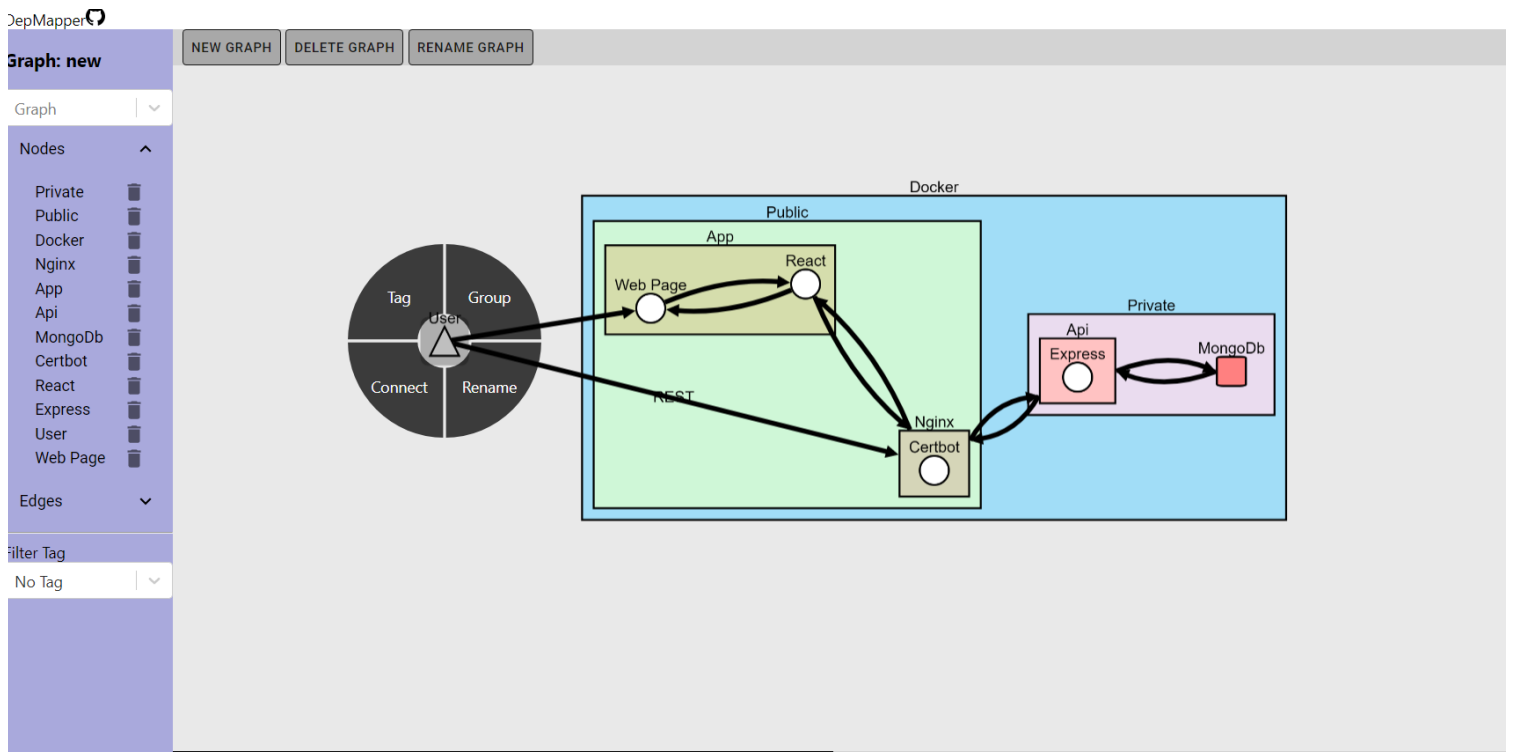


## A CASE FOR VISUALIZATION

ADAPT WHAT IS USEFUL, REJECT WHAT IS USELESS, AND ADD WHAT IS SPECIFICALLY YOUR OWN – BRUCE LEE

We have created DepMapper: a tool for system and dependency analysis. Visualization has been a powerful tool for abstraction and synthesis. This software was developed by the Oulu University Secure Programming Group (OUSPG) within this H2020 project CS-AWARE.





# DEPMAPPER

KNOWING IS NOT ENOUGH, WE MUST APPLY. WILLING IS NOT ENOUGH, WE MUST DO – BRUCE LEE

Users either interact with DepMapper via its Web or REST interface – in either case using HTTPS. DepMapper was created using state of the trade tools and databases. The aim is for a swift deployment to map dependencies efficiently. Nodes and edges are flexible configurable in their visualizations.

No tool exists alone in this always connected word. DepMapper has a complete and secure interface to integrate with its environment. Such a REST-interface allows a bi-directional update of data and its form of visualization. This allows DepMapper to seamlessly cooperate with other tools to be in sync and support the situational awareness of decision makers.

