

SpeedUP



Call for solutions

Ordering party	Centre des technologies de l'information de l'Etat
Objectives of the call for solutions	Development of a solution allowing the creation, visualisation and export of a network chart
Type of solution required	Development of a data visualisation solution

Selection criteria	Non-exclusion from participation in public procurement contracts
Standards to be met	CTIE Java Development Standards and Practices CTIE Application Delivery Procedures (Java EE) CTIE Java EE Environment CTIE Common Java Framework REST API Guidelines ; API Gateway
IP and other details	
Deadlines for submission of the offer	04/11/2022 at 09h00 at the latest
Schedule	Deadline for receiving questions: 14/10/2022
Contact for questions	cedric.adrian@ctie.etat.lu, iulia.pacala@ctie.etat.lu

Description of the problem/challenge

The CTIE is looking for a solution to generate, visualize and export a network type chart (nodes and connections).

This solution must also allow the creation of multiple visualisation templates via a simple, intuitive and easy-to-use user interface.

The main characteristics of the sought-after solution are:

- Automatic generation of the network chart
- A dynamic visualisation:
 - visualisation of details (zoom, click on an entity, mouse over, etc.)
 - filtering
 - different visualisations via multiple visual templates
- The creation of multiple templates
- The export of the network chart in various forms and at a superior quality

We are looking for an extendable solution via a 2 phase process:

Lot 1 - The implementation of the solution allowing the production and visualisation of a network type graph (nodes and connections) in a test environment and the delivery of the technical documentation allowing to validate or not the good functioning of the solution and compliance with requirements (Proof of Concept).

Lot 2 - The implementation of an application that integrates the solution of lot 1 and makes its functionalities available via a user interface. The application will also enrich the functionalities of batch 1 by adding the export and the creation of multiple visual models.

The development of the new solution must be done in a spirit of innovation, modular development and open source libraries.

For more information on this please consult the attached documents.