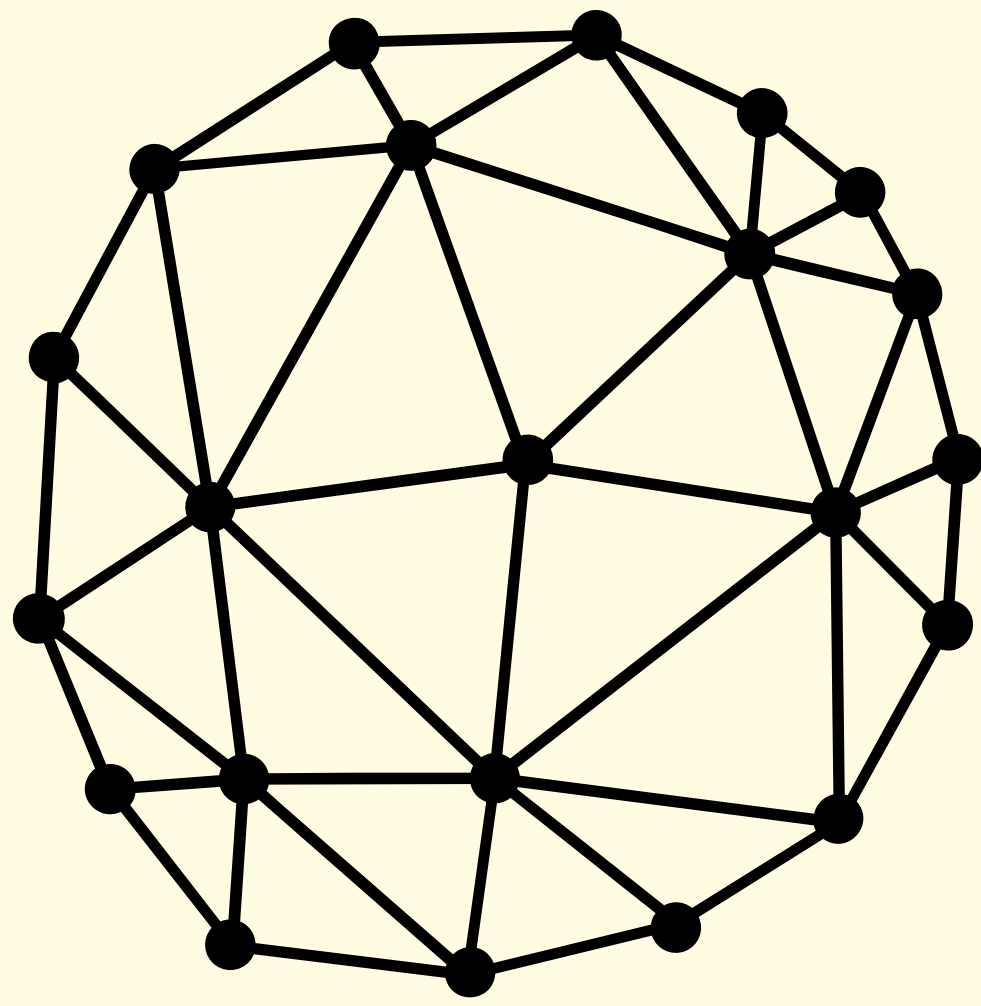


InterSCity: A Scalable Microservice-based Open Source Platform for Smart Cities

The InterSCity logo



INCT
InterSCity

Reduced



Reduced



Reduced



Reduced



Context

- ▶ Large cities have problems related to mobility, pollution, health, energy, housing, among others
- ▶ Smart cities emerge as a potential solution that aims at:
 - Using city resources efficiently
 - Providing quality services for citizens
 - Tackling urban problems

The InterSCity Platform

- ▶ An open-source, microservice-based project to enable novel smart city research, development, and deployment initiatives
- ▶ It provides a set of high-level cloud-based services that mediate the communication between the applications and the city devices:
 - Manage heterogeneous city resources
 - Integrate with IoT Systems
 - Big Data storage and processing
 - Context-aware resource discovery

InterSCity Architecture



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