

Multi-agent system

Based on python Flask

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Main idea

- Create a multi agent system that unites several agents (computers), that cooperates via internet.
- Firstly, system randomly choose main agent, that gives tasks to other agents. Then when task is processed, it is sent to the main agent. The main computer in his turn sends results to the server.
- Then the cycle repeats

Requirements

- Fault tolerance
- Fast processing
- Secure
- Scalable

System architecture

Base level

- Какая архитектура? MPP/SMP/NUMA/Clusters
- P2P епта
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- System isn't centralised. That reduces single points of failure and avoids central bottlenecks.
- The system can handle growth in demand without requiring significant changes to the underlying infrastructure.
- Facilitates network management and resilience without central coordination