Mehr Licht!
More Photonics for Intelligence

#E01

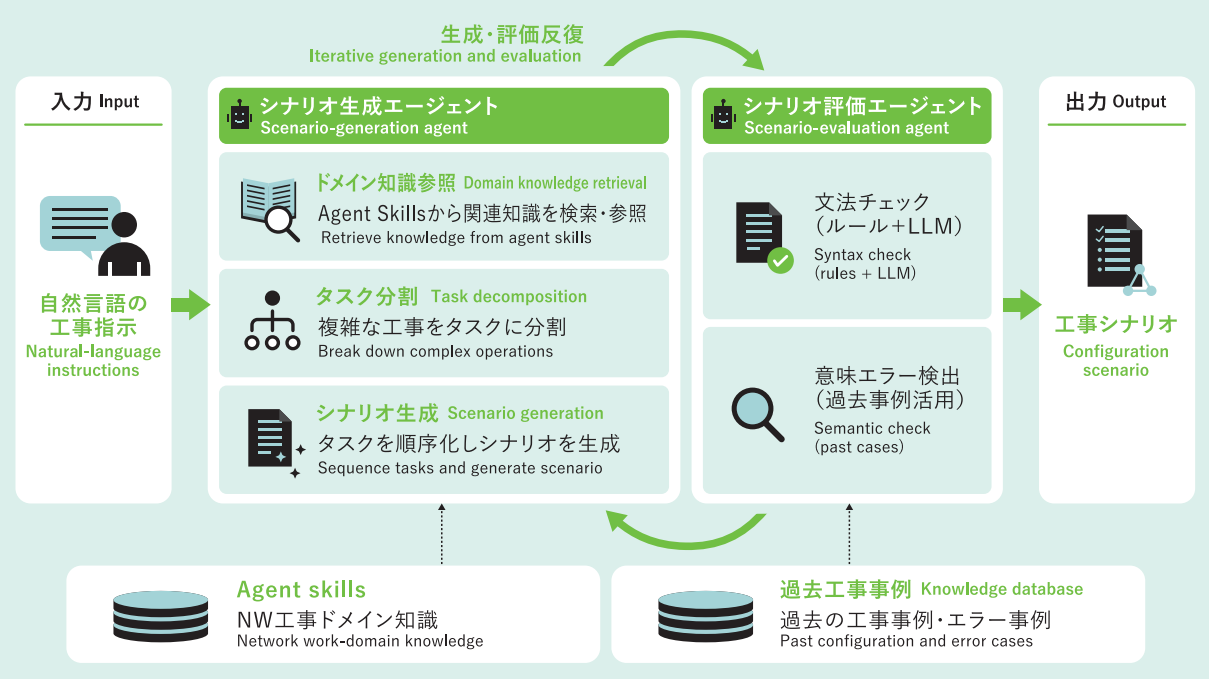
#Digital & AI Transformation#Operational Efficiency#Safety and Security

Infrastructure Operations-Scenario Agent

AI agents automatically generate highly reliable scenarios

Technical Challenges & Goals

Creating and validating complex, lengthy scenarios for carrier and data-center networks requires expertise and substantial effort. Our AI agent uses domain knowledge and iteratively generates, evaluates, and revises scenarios to improve efficiency and reliability in infrastructure operations.



Key Technologies

Core Technologies

- Autonomous task decomposition and stepwise generation of long scenarios using domain knowledge
- Automated generation, evaluation, and revision with rule-and LLM-based syntax and semantic checks

Key Differentiators

- Uses domain knowledge to decompose complex tasks and generate long scenarios beyond standalone LLMs
- Two-stage syntax and semantic checks, with guaranteed format compliance via JSON and templates

Use Cases

Information Technology (IT)

For carrier network deployment, network-configuration scenarios are automatically generated from natural-language instructions, checked and corrected for syntactic and semantic errors, and output in an executable format.

Exhibitors

NTT Network Service Systems Laboratories

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