

Natürliche Sprache als neuer Zugang zum Identity Management

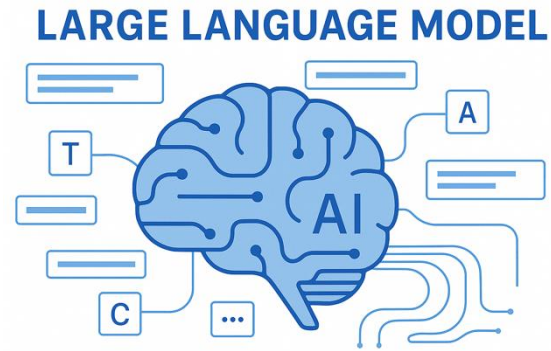


Head of Development

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OCG

01



Talking with IAM using AI



Agenda

- What are the benefits?
- What are the challenges?
 - How can LLM know my IAM system?
 - How can LLM operate in my IAM system?
 - What about the security?

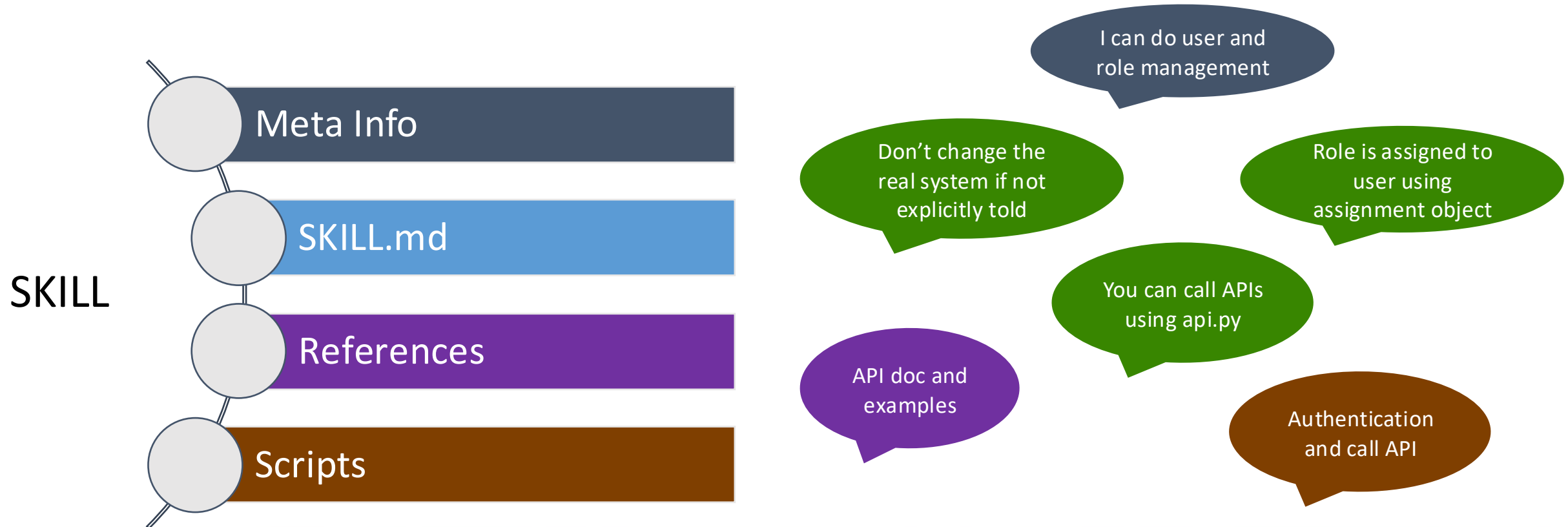
What are the benefits?

- IAM systems are usually
 - complicated
 - rule-based and predictable
 - extensible
- LLM is good at
 - generating summary
 - forecasting results
 - writing extension scripts
- LLM translates human language into technical expressions that the IAM system can understand

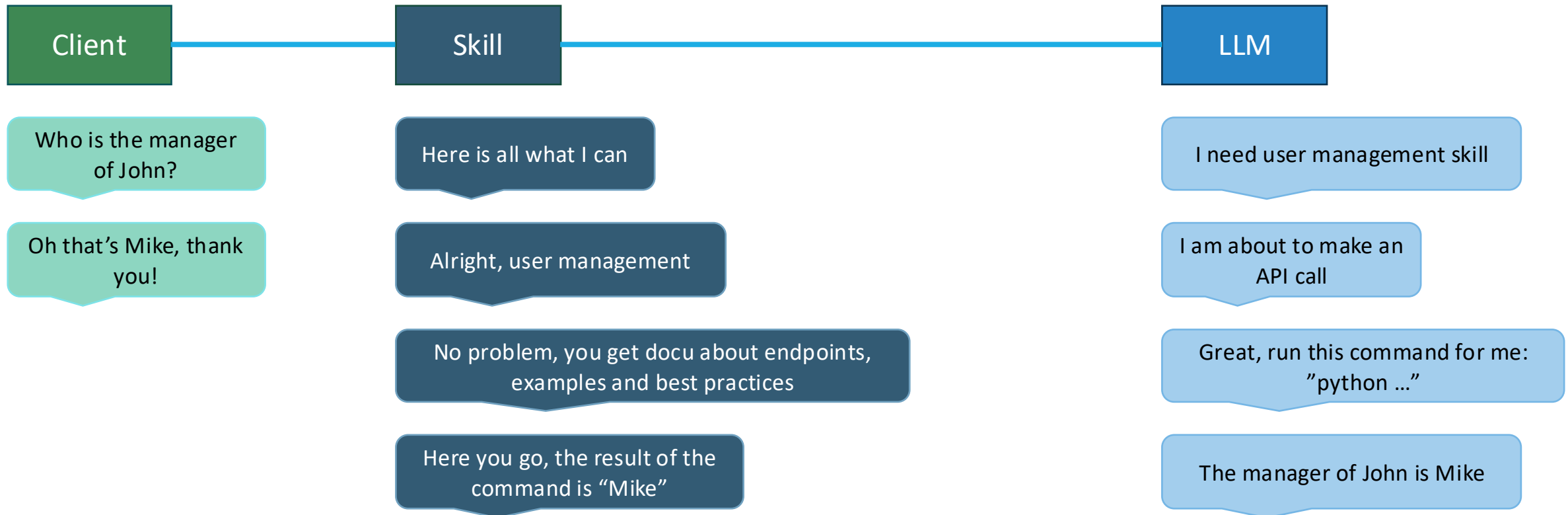
Use skills to teach LLM about the IAM

LLM is just a chatbot – it knows many things, but not my IAM system

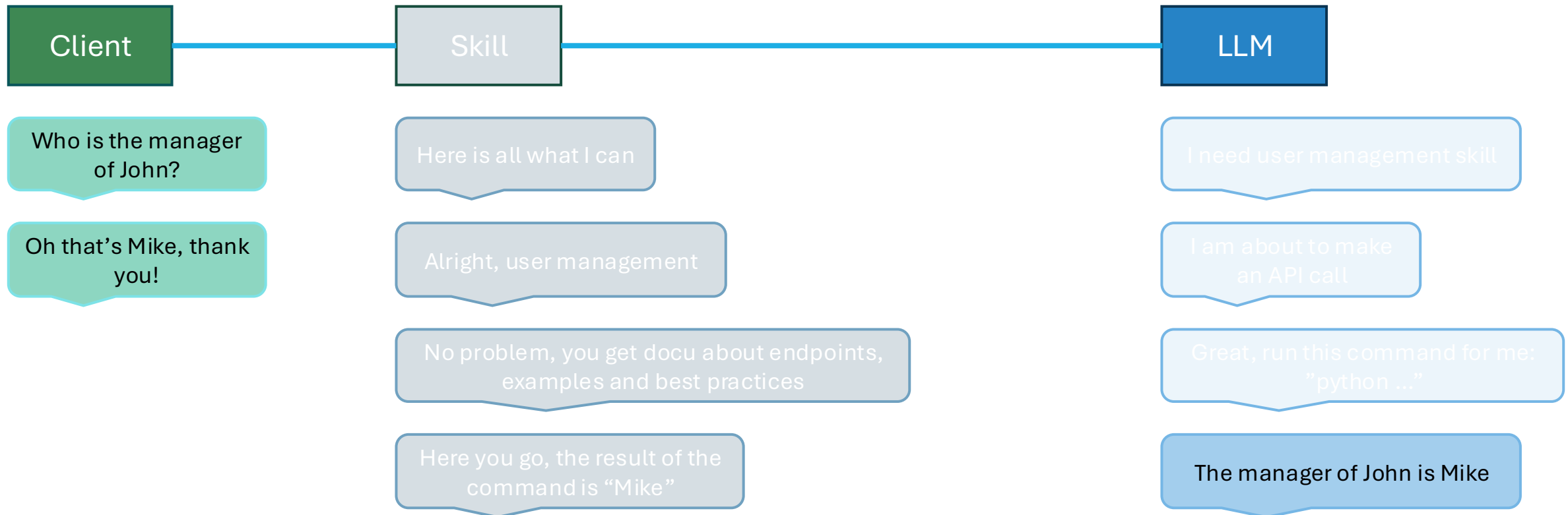
LLM is a smart brain – but it doesn't have hands



How can LLM know and operate my IAM system?



How can LLM know and operate my IAM system?



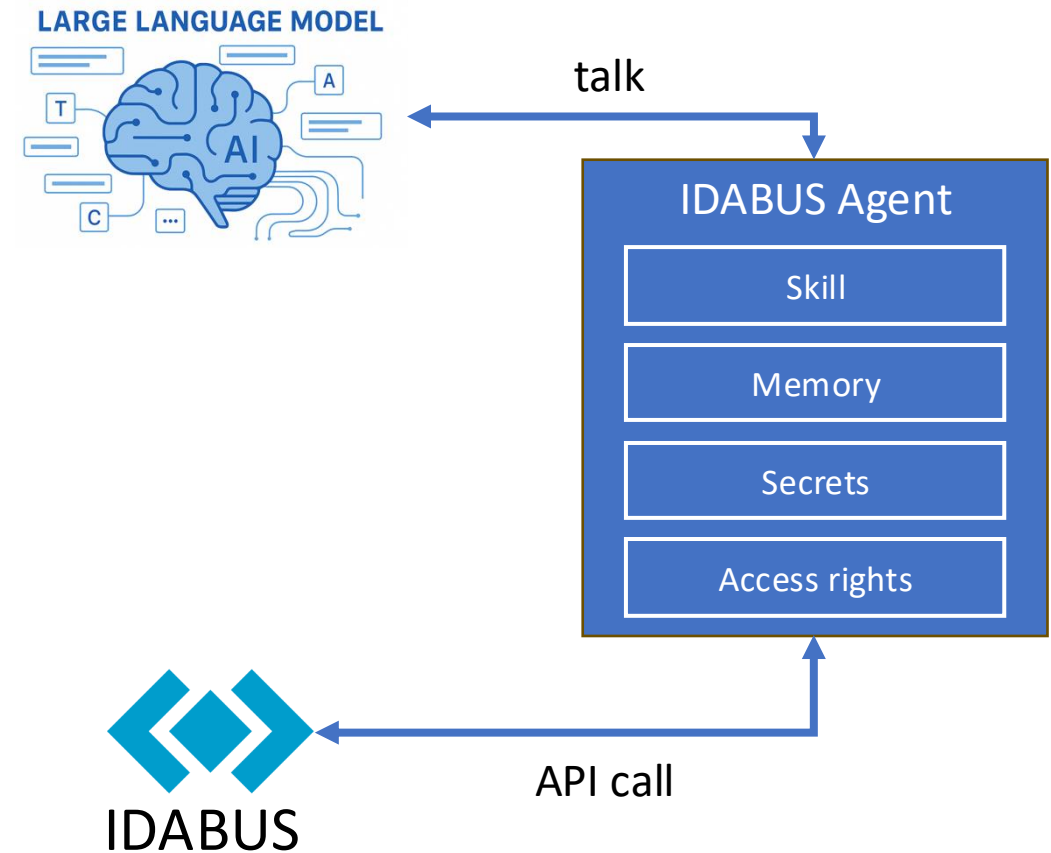
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LIVE DEMO



IDABUS Agent

- Agent talks with LLM with
 - Memory
- LLM only tells Agent how to do the job
- Agent does the job with
 - Secrets
 - Access rights



Manage Access Control

- The agent can access the IAM system using
 - Non-human identity
 - Login user identity
 - Privileged user identity (principle of least privilege)
- Access can be managed in the IAM system directly
- Approvals can be built in to add human intervention
- Multi-agent architecture with different access levels is possible

02

LIVE DEMO



Is this secure?

- AI hallucination is still hard to avoid
- LLM has – not all but some of the information

Remote vs. local model

Local LLM models are becoming increasingly capable

Local model	Remote model
✓ Data stays on-prem	⚠ Data leaves network
⚠ Higher infrastructure cost	✓ Scalable capacity
✓ No API key and secret exposure	✓ Hosted and maintained
⚠ Limited model size	✓ Latest models



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