



AI evolves EA: Scaling the business impact of enterprise architecture

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Meet the speaker



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Overview

The impact of AI in enterprise architecture today

Envisioning tomorrow: how agentic AI will transform enterprise architecture

Innovative AI applications in EA: a sneak peek

AI in EA: Small steps, big productivity bets

The journey:

AI supercharged customer productivity in SAP LeanIX through embedded gen AI features and Joule.

Architects across 1,000+ customer workspaces now use AI in their day-to-day.



Example: How AI-assisted inventory builder supercharged productivity

75%

Reduction in time to value through accelerated onboarding and data editing tasks

80%

Reduction in time to create fact sheets for accelerated inventory maintenance

75%

Reduced project implementation time by accelerating data integration

Source: SAP Expert Estimation of outcomes realized through the AI-assisted inventory builder

The rise of agentic AI and its impact

What agentic AI does

Run workflows autonomously

Harness large-scale data from external and internal sources

Connect agents to different systems and data sources via MCP

Maximize reasoning capabilities and recommendations

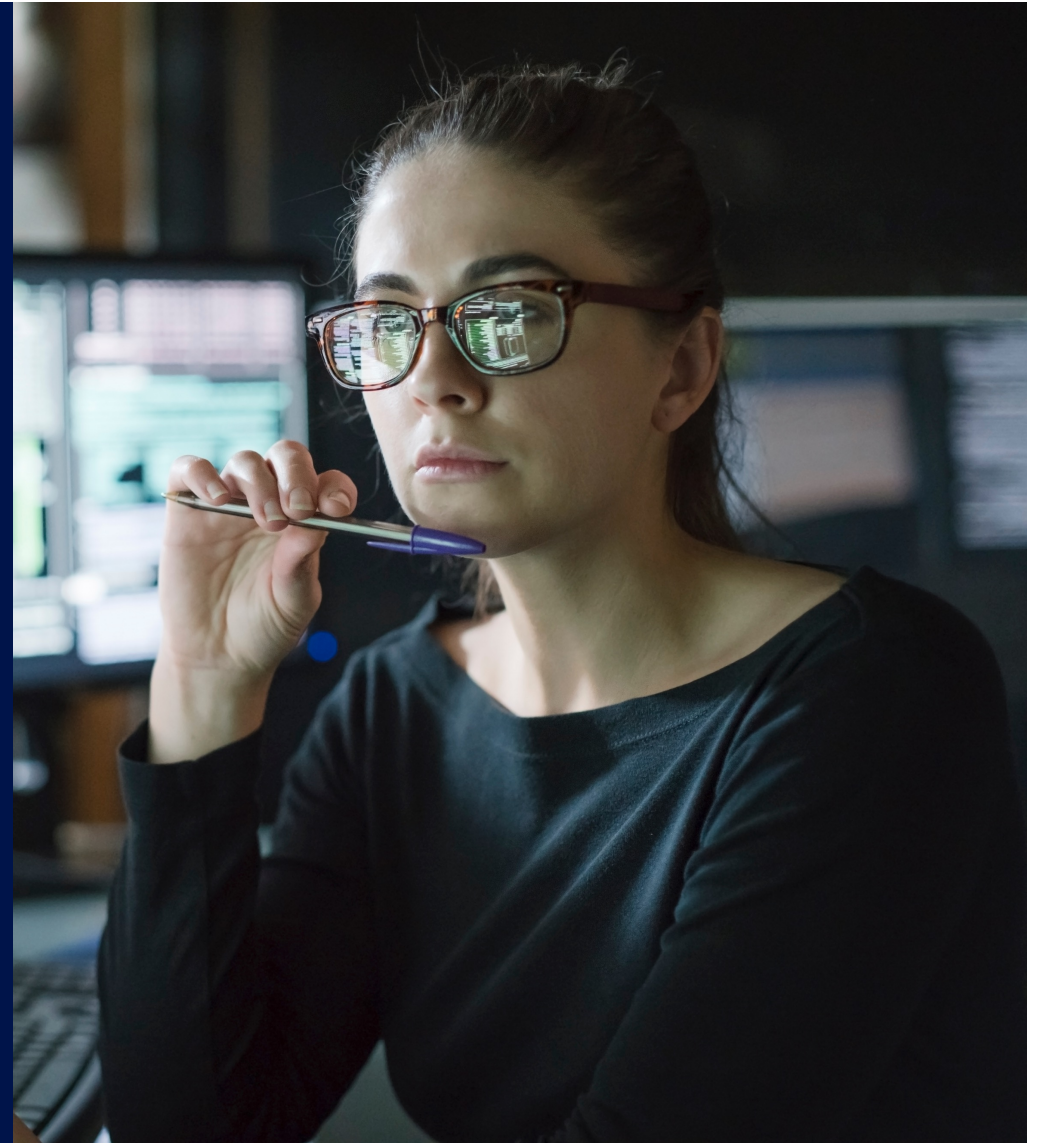
Why it matters

Higher leverage of workforce

Value realization: go from prompt to impact faster

Empowered workforce: everyone can achieve expert-level results

**Can agentic AI
do more in
enterprise
architecture?**



Agentic AI will amplify the power of SAP LeanIX

Automate EA activities

Agents execute tasks directly in SAP LeanIX, helping EA become more efficient.

Analyze large-scale data

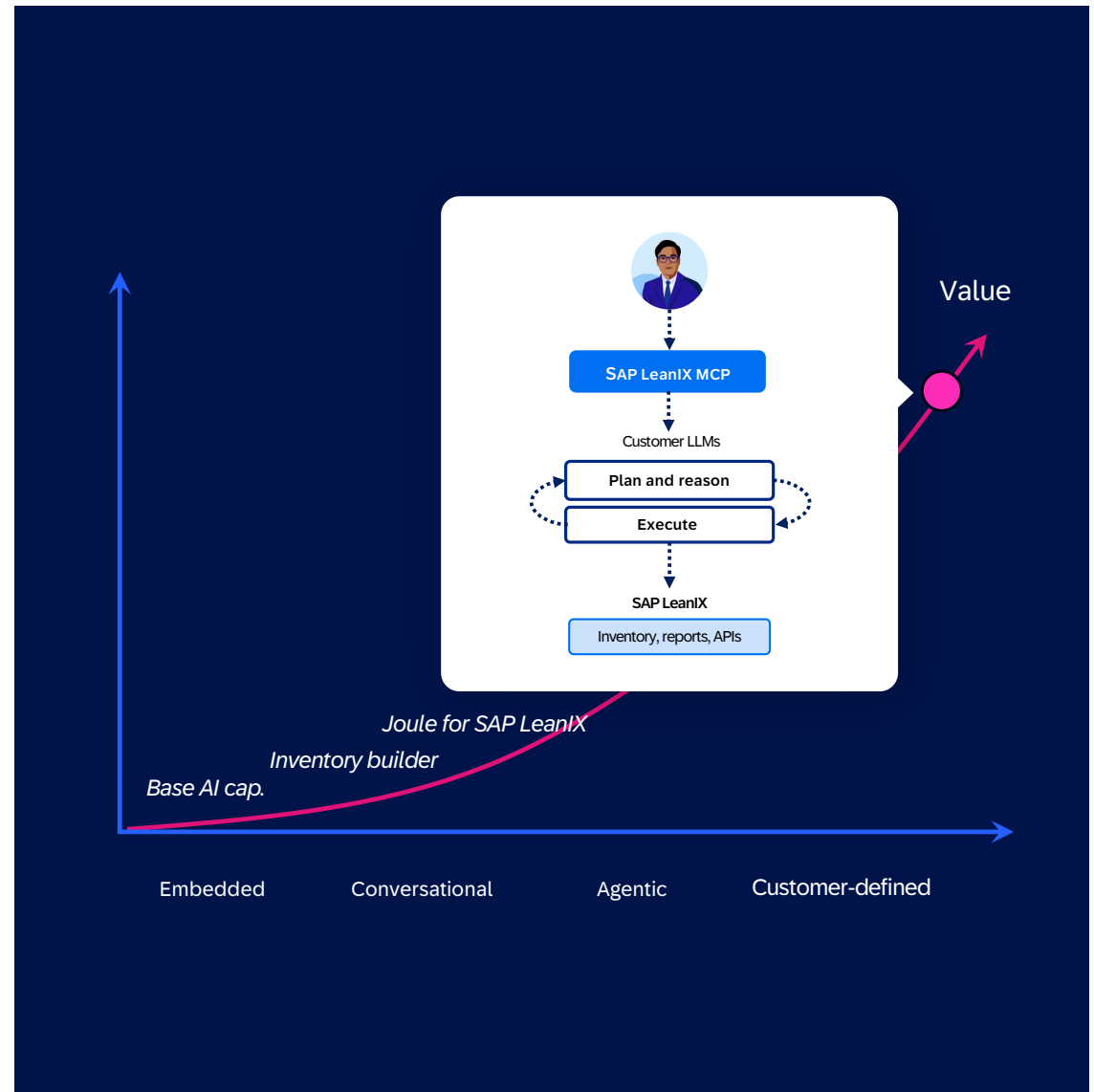
Agents process huge amounts of data to guide the architect through optimization opportunities.

Source data automatically

Source data from external code repositories to build inventory autonomously.

Connect SAP LeanIX

Connect SAP LeanIX data and functions with other business systems for cross-application workflows.



SAP LeanIX innovations
driven by agentic AI :
a sneak peek



AI-assistance to speed up inventory maintenance

Skip manual automation building – ask AI to build it for you

- 1 Say what you want:**
Use plain language to define the outcome
- 2 AI builds the flow:**
Triggers, conditions, actions are generated – leveraging agents wherever needed
- 3 Review & refine:**
Adjust and edit the AI generated draft
- 4 Activate:**
Save and monitor

The screenshot displays the SAP LeanIX automation builder interface. The top navigation bar includes 'Dashboards', 'Inventory', 'Reports', 'Diagrams', and 'More'. A search bar is present with the text 'Search for Fact Sheet'. The main title is 'Slack Alert for SAP Application End-of-Life', with tabs for 'Rules', 'Settings', and 'Audit Log'. A status indicator shows 'Active' and buttons for 'Generate Automation' and 'Save Automation'. A left sidebar lists settings categories: 'MY SETTINGS' (Notification, Password, Profile), 'BASIC SETTINGS' (Branding, General, Meta Model Configuration, Subscription Roles, Tagging, Users, User Roles and Permissions, Dashboards), and 'ADVANCED SETTINGS' (Automations, Collections, Developer Configuration, Export, KPIs, Notification Center). The main workspace shows a workflow diagram with three steps: 1. Trigger: 'When any Application lifecycle field is end-of-life'. 2. Condition: 'If tag is SAP'. 3. Action: 'Then send Slack message to #EA-updates with text "Verify SAP application state"'. A modal window at the top right provides a preview of the Slack message and offers options to 'Approve Full Flow', 'Start Over', or 'Apply'.

Beta Q4 2025

AI-assisted architecture guidance provides insights for portfolio optimization

Analyze your inventory to suggest and realize portfolio optimization

- 1 Insights:**
Customized based on your inventory, industry benchmarks, and our best practices
- 2 Context:**
Provide background and confidence level for review
- 3 Guidance:**
Execute proposed recommendations leveraging agentic AI

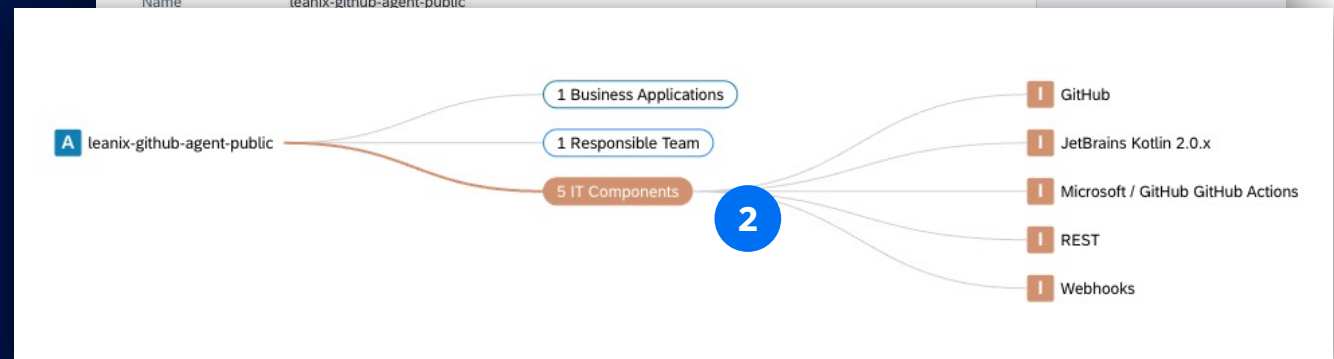
The screenshot displays the SAP LeanIX 'Inventory' section under 'Insights'. The main heading is '8 Applications Identified for Potential Rationalization', which is based on an automated Gartner® TIME analysis. The dashboard is divided into three main sections: 'Insights', 'Insight Details', and 'Recommendations'. The 'Insights' section shows a 'New' status for the 8 applications and an 'In Progress' status for 'Potential Vendor Lock Identified'. The 'Insight Details' section provides a description of the 8 potential applications, their creation date (23/02/2025), and a 'High Confidence' level. The 'Recommendations' section includes three actionable items: 'Validate fit with app owners' (with a 'Your survey has been created' notification and a URL), 'Evaluate identified applications' (with a 'Create Decision' button), and 'Implement retirement plan' (with a 'Create Roadmap' button). A blue banner in the top right corner indicates 'Beta Q4 2025'.

Agentic discovery allows faster and greater transparency on self-built software

Govern code and inventory quality faster with AI agents that can:

- 1 Create fact sheets for services deployed and discovered in GitHub
- 2 Automatically identify relevant IT components
- 3 Discover (co)developers and add them as subscribers

The screenshot shows the SAP LeanIX web interface. At the top, there's a search bar and navigation icons. The main content area displays a fact sheet for 'leanix-github-agent-public' with a '23%' completion indicator and a 'Check needed' status. Below this, there are tabs for 'Self-built Software' and 'Microservice'. A description states: 'The SAP LeanIX agent discovers self-built software in self-hosted GitHub Enterprise setups and...'. There are also tabs for 'Fact Sheet', 'Subscriptions', 'Comments', 'To-dos', 'Resources', 'Transformations', 'Metrics', and 'Surveys'. A 'Last update (3 months ago)' timestamp is visible. On the right side, there's a sidebar with 'REFERENCE CATALOG & INTEGRATIONS' and 'TO-DO' sections.

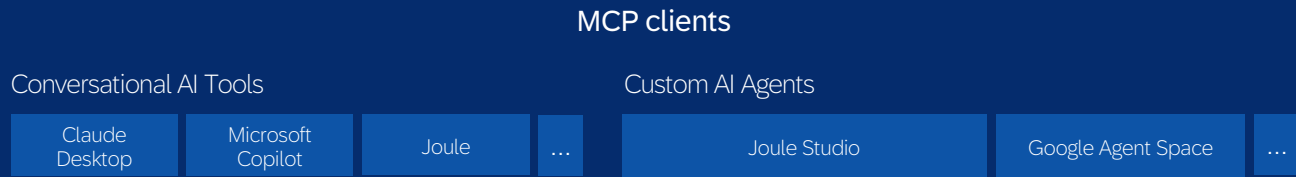


Beta Q3 2026

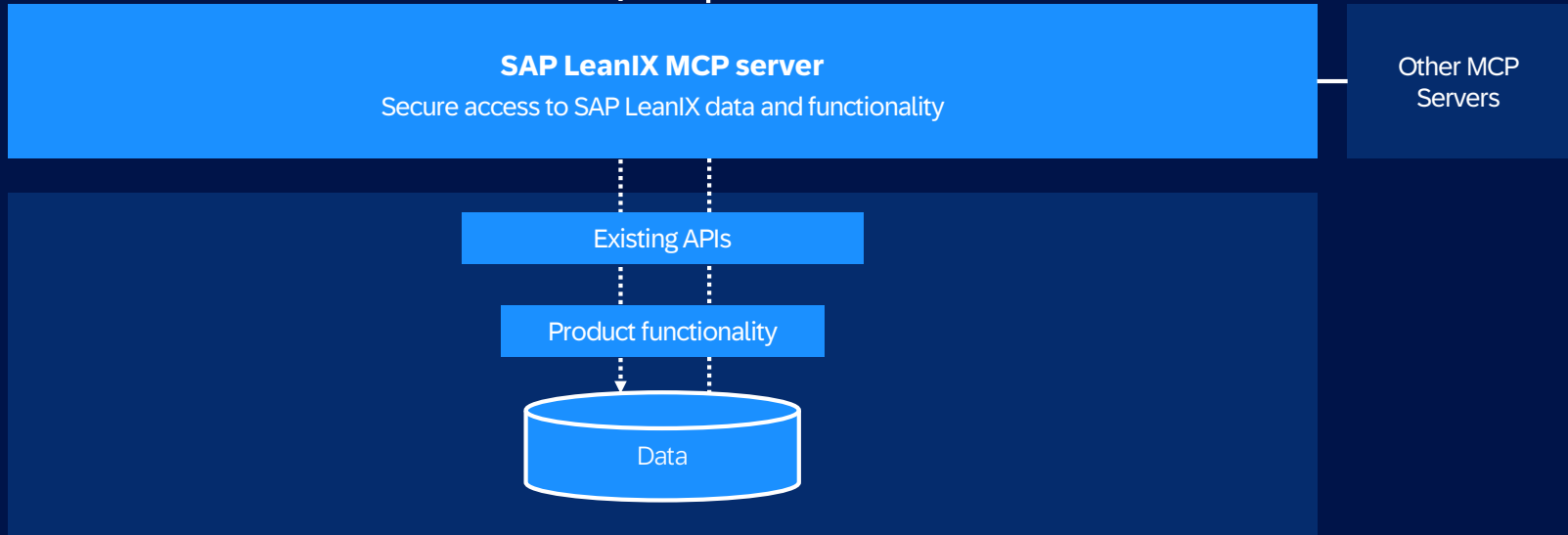
Build your own agents with MCP server

Beta Q3-2025

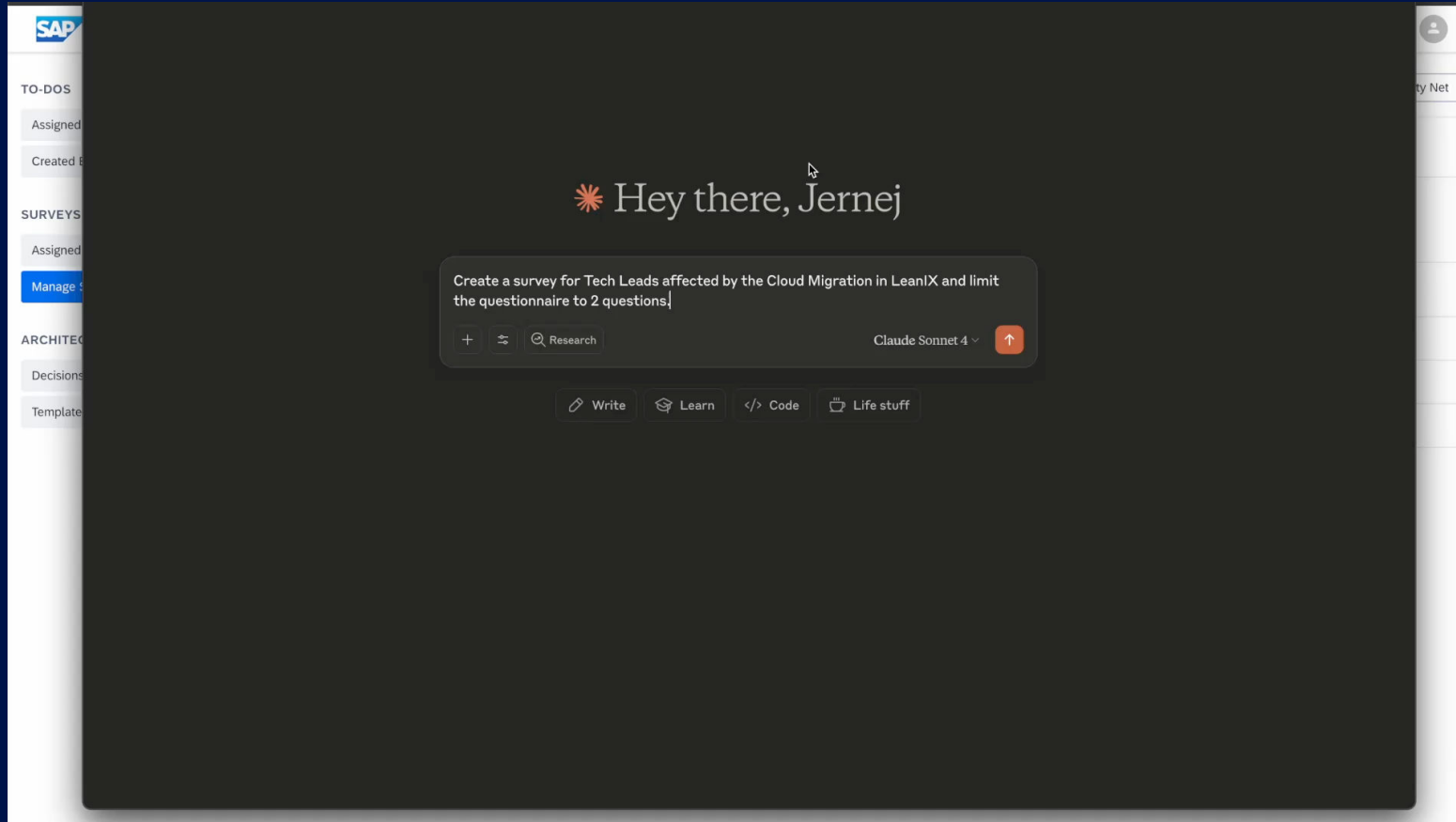
Your environment



SAP LeanIX



MCP in action



Takeaways

AI-enabled innovations already shape the future of enterprise architecture and agentic AI will further increase the value of EA.

- Have a look at **AI inventory builder** to speed up ingestion of data in your workspace
- See how **AI-assisted architecture guidance** (beta later this year) can optimize your architecture
- Evaluate **SAP LeanIX MCP server** to build custom workflows and integrate with other systems



SAP LeanIX Roadmap



Thank you!

