

Presentation Agent

Technical Overview

by iSoftStone

Microsoft Copilot Studio

Claude Opus 4.6 + GPT-5

Power Automate

PptxGenJS Runtime

AI-powered presentation generation inside Microsoft Teams — from chat to branded .pptx

Available on Microsoft Azure Marketplace

Presentation Agent

Technical Overview

 Microsoft Teams channel • Entra ID auth
Dual LLM: Claude Opus 4.6 + GPT-5 Reasoning

CAPABILITIES



Conversational Intent Capture

Collects topic, audience, purpose, branding & style refs through natural Teams chat — no forms, no uploads required



Generative Orchestration

Auto-discovers tools and matches user intent to action dynamically — no pre-built topics or rigid decision trees



LLM-Driven Slide Generation

Claude Opus 4.6 / GPT-5 Reasoning generate full outline and production-ready PptxGenJS code in a single pass



Output Validation

User-in-the-loop preview with explicit confirmation — guards against bad generations, ensures output matches intent



Sandboxed Code Execution

PptxGenJS runs in isolated Node.js runtime — stateless, no persistent data, packs .pptx binary buffer per request



In-Chat File Delivery

Finished .pptx returned as a shareable download link inside the Teams conversation — no app switching or exports

TECHNICAL FEATURES

- ▶ Microsoft Teams as the sole user channel — users never leave their workflow
- ▶ Microsoft Entra ID authentication — tenant-scoped SSO, no separate credentials
- ▶ Dual LLM support — Claude Opus 4.6 as primary, GPT-5 Reasoning as alternate
- ▶ PptxGenJS (npm) as the rendering engine for programmatic .pptx generation
- ▶ Power Automate JSCoDeExecuTor bridges Copilot Studio agent and Node.js runtime
- ▶ Raw JavaScript passed as string; HTTP response parsed and returned as download URL
- ▶ Fully stateless execution sandbox — no data persists between runs

DEPLOYMENT & SECURITY

- ▶ Runs entirely within the customer's Microsoft 365 and Azure tenant
- ▶ Microsoft Entra ID handles all authentication — tenant-scoped, no external auth
- ▶ Data, prompts, and generated files never leave the customer's environment
- ▶ Built on Copilot Studio and Power Automate — fully within Microsoft compliance
- ▶ No third-party SaaS dependencies — all processing inside managed MS services



Your presentations stay inside your tenant. Full compliance built in.