



Making your APIs AI-Ready

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Designing for a world where machines read your APIs



The New Challenge

The New Challenge : Overview

- AI and the API Landscape
- Machines and APIs
- Not-so-AI-Ready APIs
- Five Shifts Ahead



The New Challenge : AI and the API Landscape

- AI is everywhere!
- APIs are no longer just for humans
- Agents, bots, orchestrations, etc. “see” differently



Similar to the shift from green screen to UI

The New Challenge : Machines and APIs

- Machines don't learn the way we do
- Machines rely on context, not instructions
- Machines recognize patterns
- Machines look for “hooks”



Humans supply missing details, bots do not

The New Challenge : Not-So-AI-Ready APIs

- Agents mis-interpret your API responses
- Agents make selection errors when attempting actions
- Agents fail to repeat similar workflows
- Agents don't give up, the hallucinate



*Inconsistencies are “fixed” by humans,
but not by machines*

The New Challenge : Five Shifts Ahead

- We can improve things by focusing on five things
 - From interface to intention
 - Make context machine-readable
 - Standardize interactions, not just endpoints
 - Enable discovery
 - Support observation, iteration, and adaptation



*We can improve our chances
by planning ahead*

The New Challenge : Review



- AI and the API Landscape
 - APIs are no longer just for humans
- Machines and APIs
 - Humans supply missing details, bots do not
- Not-so-AI-Ready APIs
 - Inconsistencies are “fixed” by humans, but not by machines
- Five Shifts Ahead
 - We can improve our chances by planning ahead



*Making your APIs AI-Ready
requires deliberate design*

The New Challenge : Quick Quiz

1.1 Making your APIs AI-ready requires _____

- A. deliberate design
- B. no design at all
- C. magic spells
- D. lots of practice

1.2 When reading API documentation humans supply missing details and bots _____

- A. supply the JSON
- B. provide the errors
- C. do not
- D. ignore all the XML

1.3 AI is _____

- A. dead
- B. impossible to design for
- C. everywhere now
- D. always wrong



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