



Unlocking JD Edwards World Data with AI

PRACTICAL LESSONS FROM A
REAL CUSTOMER PROOF OF CONCEPT



Look up the price for item A104010A, customer 456789, branch 512

Thought process >

Your MCP connector is now connected! I can see price lookup tools available. Let me load them and run the lookup.

Loaded tools, used transtar-libmi integration >

Here are the results for item **A104010A**, customer **456789**, branch **512**:

Field	Value
Unit Price	\$11.34
Availability	191 units
Environmental Charge	\$1.35
Floor Price	\$10.62
Target Price	\$11.34
Celling Price	\$12.45
CSP	\$11.34

No core charge and no alternate branch info returned. Let me know if you need anything else!



Write a message...



Sonnet 4.6



AGENDA



3 min

Welcome and introductions

Bill

5 min

Why this project started

Bill

5 min

About the Project / POC

Bill

10 min

Demonstration

Bill & Nathan

10 min

How it works

Dan & Aaron

5 min

Lessons learned and next steps

Bill

10 min

Questions and answers

All



TWO FIRMS, ONE TEAM, ONE PROJECT

WELCOME



About Briteskies

Founded in 2000 and based in Cleveland, Briteskies is a JD Edwards Partner and IBM Business Partner with deep JDE World, E1, and IBM i expertise across modernization, integration, reporting and business process consulting.

About Eradani

Founded in 2019, Eradani provides the secure integration and AI connectivity layer that lets platforms such as Claude work with JD Edwards World and IBM i through governed APIs, bridging the IBM i to modern languages and applications without rip and replace.



Bill Onion

Managing Director, Briteskies

More than 30 years of experience in JD Edwards, IBM i, and operational modernization. Works with organizations to improve access to information and extend the value of established systems.



Nathan Giri

Solutions Architect, Briteskies

30+ years in JD Edwards, IBM i, application modernization, and enterprise integration. Key role in building the solution shown in today's demonstration.



Dan Magid

CEO, Eradani

Decades of experience helping IBM i organizations modernize. Co-founded Eradani to connect established systems to modern APIs, cloud services, and AI.



Aaron Magid

Chief Architect, Eradani

A decade of experience in IBM i integration engineering. Connects IBM i environments to modern technologies using Python, Node.js, and Java. Key role in building the solution shown in today's demonstration.

**Pairing JD Edwards World depth with
IBM i integration engineering.**

CURRENT REALITY



- Answers come back days later, sometimes after the decision has already been made.
- Every routine question competes with project work for the same few IT people.
- Numbers get rekeyed into spreadsheets by hand, and only a few people know where they came from.

01

BUSINESS USER

A question comes up: on-hand stock, a customer price, a promise date.

02

EMAIL TO IT

The request joins the queue and waits its turn behind other work.

03

DEVELOPER

Someone who knows JD Edwards World has to be free to pick it up.

04

RPG / SQL

A query is hand-written against World files to pull the data.

05

REPORT

Output is generated, exported and formatted in Excel by hand.

06

BACK TO THE USER

And if the answer raises a follow-up question, the whole cycle starts over.

WHY THIS PROJECT STARTED



THE QUESTIONS BUSINESS USERS ASK EVERY WEEK

“What's the current inventory?”

“What's this customer's price?”

“Why didn't this order ship?”

None of these are hard questions. They are just hard to answer quickly.

What if the user could simply ask the question, instead of requesting a report and waiting for it to work its way back through IT?





INITIAL PROJECT PROOF OF CONCEPT

WHY THIS PROJECT STARTED



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PROJECT GOALS



Customer

A North American aftermarket parts distributor running JD Edwards World A9.4 on IBM i.

Challenge

Answer routine questions on inventory, pricing and order status.

Constraints

No change to JDE, the platform, or the database, and existing security stays in force.

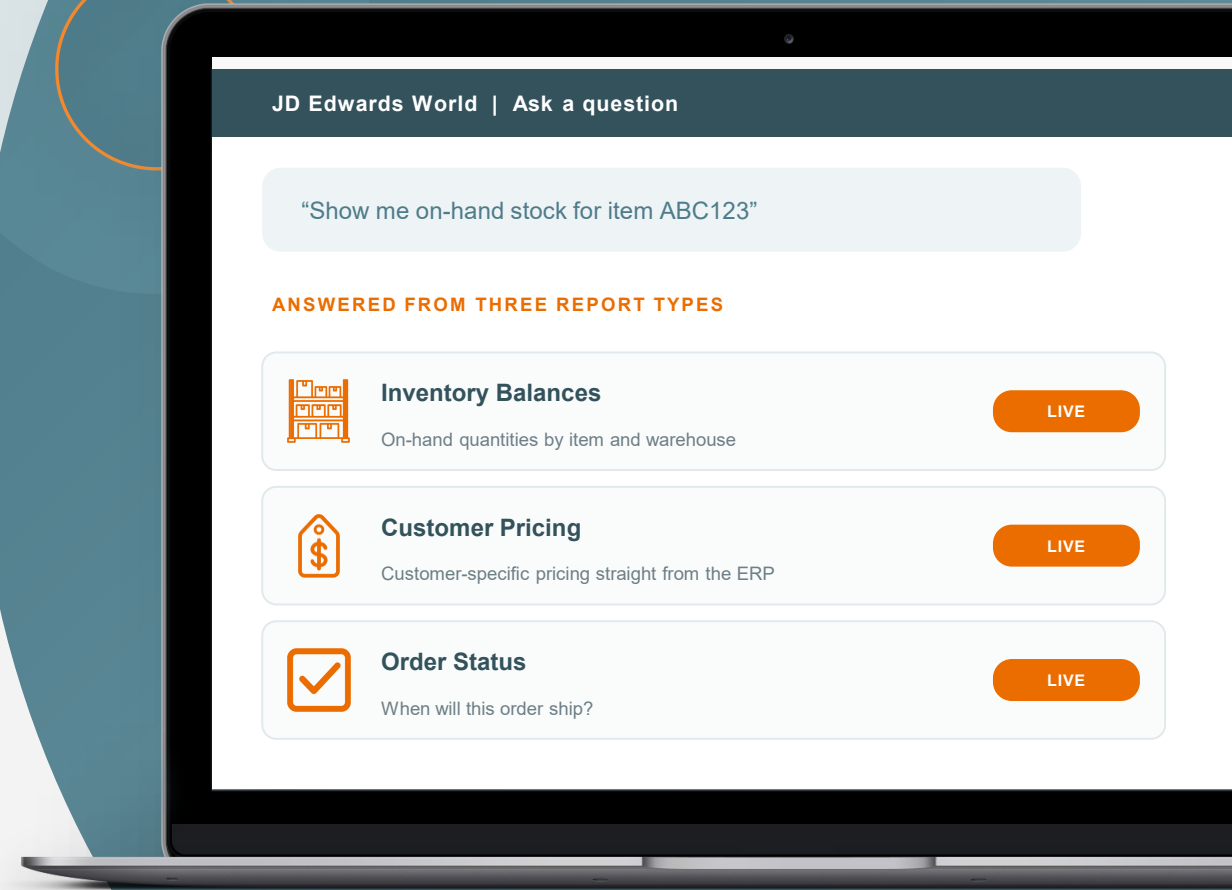
Approach

A governed AI layer over the data already in World, scoped to three everyday questions.

Outcome

Business users get answers in the moment, with IT still in control of access.

Scope was intentionally small. The goal was not to replace reporting – it was to prove the concept.





DEMONSTRATION

THREE SCENARIOS, ONE CONVERSATION



ONE DEMONSTRATION, THREE QUESTIONS A BUSINESS USER WOULD ACTUALLY ASK.



AN INVENTORY INQUIRY

Ask for on-hand stock for an item and get the answer back in the conversation, straight from JD Edwards World.



A CUSTOMER PRICING INQUIRY

Ask what a specific customer pays, with the same pricing rules the ERP already applies.



FOLLOW-UPS IN PLAIN LANGUAGE

Narrow it, exclude a region, change the timeframe. No new report request, no queue, no waiting.

← Settings

General

Account

Usage

Capabilities

Connectors

Claude Code

Cowork

Desktop app

General

Extensions

Developer

Client IBM i

☒ Enabled

Uninstall

MCP Server URL (Required)

Base URL only — do NOT include /mcp, it is added automatically. E.g. `http://<server-ip>:3002` (no trailing slash)

<https://japi-eciarkdev.jde.client.com:4021>

MCP Access Token (Required)

The `MCP_AUTH_TOKEN` value configured on the `mcp-server-http.mjs` instance you're connecting to

Save

Tool permissions

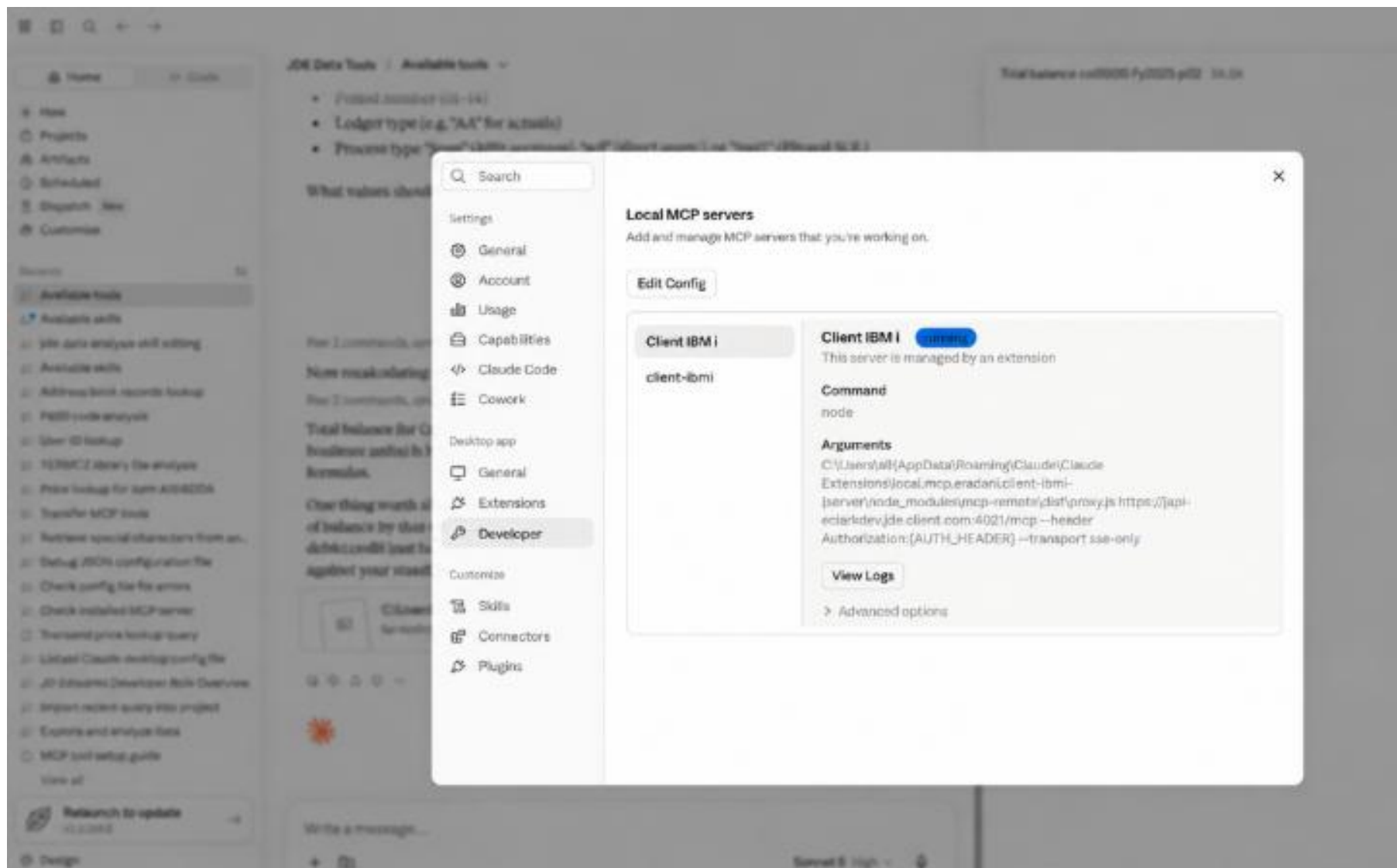
Choose when Claude is allowed to use these tools. You'll only see tools your organization has given you access to.

Other tools 10

 Needs approval 

Rpg simple calc

Sql get customers



Home

</> Code

+ New

Projects

Artifacts

Scheduled

Dispatch Beta

Customize

Recents

Client group extensions

Client IBM i extension issue

Client extension setup

Active client MCP servers

Active MCP servers

AC03 field code analysis

MCP server connection

Program changes user issues

Client IBMI-I MCP server status

Skills configuration update

API development management sum

Available skills

Available skills

MCP server API tool

View all

Client group extensions

It appears as both `mcp_client_IBM_i_*` and `mcp_client-ibmi_*` (same tools, two connectors). Want me to use any of these?

I would like to use the mcp_Client_IBM_i tool

Thought process

Great! What would you like to do? Here's what's available:

- **JDE data / customers** — look up JD Edwards records or customer data
- **Price lookup** — eCommerce or account 5540721 pricing
- **Trial balance report**
- **Safety stock upload**
- **Messages upload**
- **Cutoff time update**
- **RPG code analysis**
- **RPG simple calculation**

What do you need?

...

Client IBM i Extensions

File C:/Users/i /OneDrive%20-%20Client%20Holding%20Company/Folder/74/747/Alinitiatives/client-ibmi-tools.html

 **trial_balance_report**
Generate a trial balance from IBM i GL data for a given company, fiscal year, and period. Supports RPG program mode, direct SQL query, or filtered SQL.
Try: "Run a trial balance for company 00010, fiscal year 2026, period 04"

 **jde_dataanalysis**
Query JD Edwards address book data. Look up customers, suppliers, or employees by address number, address type, or other criteria.
Try: "Look up JDE address book records for supplier Client"

 **Get Customers**
sql_get_customers
Run a SQL query against the IBM i to retrieve customer records. Returns structured customer data for analysis or reporting.
Try: "Get a list of customers from IBM i"

PRICING

 **eCommerce Price Lookup**
ecommerce_pricelookup
Look up pricing for parts or products via the eCommerce system on IBM i.
Try: "Look up the price for part number 12345 in eCommerce"

 **Account 5540721 Price Lookup**
5540721_pricelookup
Price lookup scoped to account 5540721. Use for pricing queries specific to this customer or account profile.
Try: "Look up the price for part 67890 in account 5540721"

DATA UPLOADS

 **Safety Stock Upload**
safetystock_upload
Upload or update safety stock data on IBM i. Use to set minimum inventory thresholds for items in the JD Edwards system.

 **Messages Upload**
messages_upload
Upload message data to IBM i. Use for batch message processing or updating message queues on the system.

Look up item price for client

Look up the price for item A104010A, client 456789, branch 512

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Loaded tools, used client-ibmi integration >

Here are the results for item **A104010A**, client **456789**, branch **512**:

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🔍

👍

👎

🔥

Write a message...

+

Sonnet 4.6

Progress

✓

✓

See task progress for longer tasks.

Working folder

📄 claude_desktop_config.json

Context

Connectors

1 client-ibmi

HomeCode

New

Projects

Artifacts

Scheduled

DispatchBeta

Customize

Recents

Available tools

Available skills

jde-data-analysis skill editing

Available skills

Address book records lookup

P4101 code analysis

User ID lookup

TSTSRC2 library file analysis

Price lookup for item A104010A

Client MCP tools

Remove special characters from string

Debug JSON configuration file

Check config file for errors

Check installed MCP server

eCommerce price lookup query

Locate Claude desktop config file

JD Edwards Developer Role Overview

Import recent query into project

Explore and analyze data

MCP tool setup guide

View all

JDE Data Tools / Available tools

What would you like to look up in the JDE address book — a specific address number, an address type (Customer/Supplier/Employee/Vendor), or an Account ID (Brand 1, Brand 2, Brand 3, Brand 4)?

look up address number 1

Used client-ibmi integration

jde_dataanalysis

Claude wants to use jde_dataanalysis from client-ibmi

Request

```
{
  'datafunction': 'ADDRESSBOOK',
  'key1': 'ABAN8',
  'value1': '1',
  'environment': 'TEST',
  'email': 'sali@clientgroup.com'
}
```

⚠

Allowing this action comes with risks. Malicious instructions in files, emails, and web content could trick Claude into unintended actions. [Learn more](#)

Allow onceEnter

Allow for all tasks

DenyEsc

Using client-ibmi...

HomeCode

New

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Available skills

jde-data-analysis skill editing

Available skills

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P4101 code analysis

User ID lookup

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look up address number 1

Used client-ibmi integration

Address 1 (TEST environment):

Address #	Description	Business Unit	Type	Category 2	Category 3
1	DRIVE - \$12.50	224	OC	TTT	95

One record found — search type "OC" is unusual (not a standard C/S/E/V code), and the description reads more like a memo/rate entry than a company or person name. Want me to check this address number in PROD too?

...

jde-data-analysis skill editing ▾

/jde-data-analysis

Thought process

What would you like to look up in the JDE address book? I'll need to know:

1. Are you searching by address number, address type (C/S/E/V), or Account ID (Brand 1, Brand 2, Brand 3, Brand 4)?
2. The specific value to filter by
3. Environment — TEST (default) or PROD?

show me address book records for ABC Brand

Thought process

I'll filter by Account ID — shall I use **ABC** for ABC Brand, in the **TEST** environment?

yes

just now 🗨

Loaded tools

🔍 Found tools

Result



Finding tools...

jde-data-analysis skill editing ▾

The raw output was too large to display in full. No errors, and the filter applied correctly to every row.

A sample:

Address #	Description	Business Unit	Type	Category 2	Category 3
447272	Customer 1	519	S	ABC	95
447273	Customer 2	512	S	ABC	95
458082	Customer 3	513	C	ABC	05
458083	Customer 4	513	C	ABC	11
463707	Customer 5	512	C	ABC	01
507661	Customer 6	512	C	ABC	05
99933735	Customer 7	512	C	ABC	999
99933829	Customer 8	515	C	ABC	0E

Since there are 4,366 records, showing all of them as a table isn't practical here. Want me to instead:

1. Export the full result to an Excel/CSV file you can browse, or
2. Narrow the query (e.g., only customers, only employees, or a specific business unit)?

📄 🔊 🍏 🗨️ ...

jde-data-analysis skill editing

1. Export the full result to an Excel/CSV file you can browse, or
2. Narrow the query (e.g., only customers, only employees, or a specific business unit)?

export to excel

Ran 2 commands, read a file

Found the file. Building the spreadsheet now.

Ran a command, read a file

All 4,366 ABC Brand address book records are in the file, with columns for Address #, Description, Business Unit, Type, and Category codes 2/3.



C:\Users\user\AppData\Roaming\Claude\local-agent-mode-...
Spreadsheet

Open in Excel



Write a message...



Sonnet 5



Claude is AI and can make mistakes. Please double-check responses.

ABC Brand address book test - XLSX

Open in Excel



	A	B	C	D	E
1	Address #	Description	Business Unit	Type	Category 2
2	456801	Customer 1	512	C	ABC
3	456802	Customer 2	512	C	ABC
4	456803	Customer 3	512	OC	ABC
5	456804	Customer 4	512	C	ABC
6	456805	Customer 5	512	C	ABC
7	456806	Customer 6	512	C	ABC
8	456807	Customer 7	512	OC	ABC
9	456808	Customer 8	512	C	ABC
10	456809	Customer 9	512	C	ABC
11	456810	Customer 10	512	C	ABC
12	456811	Customer 11	512	C	ABC
13	456812	Customer 12	512	C	ABC
14	456813	Customer 13	512	C	ABC
15	456814	Customer 14	512	C	ABC
16	456815	Customer 15	512	C	ABC
17	456816	Customer 16	512	C	ABC
18	456817	Customer 17	512	C	ABC
19	456818	Customer 18	512	OC	ABC
20	456819	Customer 19	512	C	ABC
21	456820	Customer 20	512	C	ABC
22	456821	Customer 21	512	C	ABC
23	456822	Customer 22	512	OC	ABC
24	456823	Customer 23	512	C	ABC
25	456824	Customer 24	512	OC	ABC
26	456825	Customer 25	512	C	ABC
27	456826	Customer 26	512	C	ABC
28	456827	Customer 27	512	C	ABC



Sheet1





HOW IT WORKS

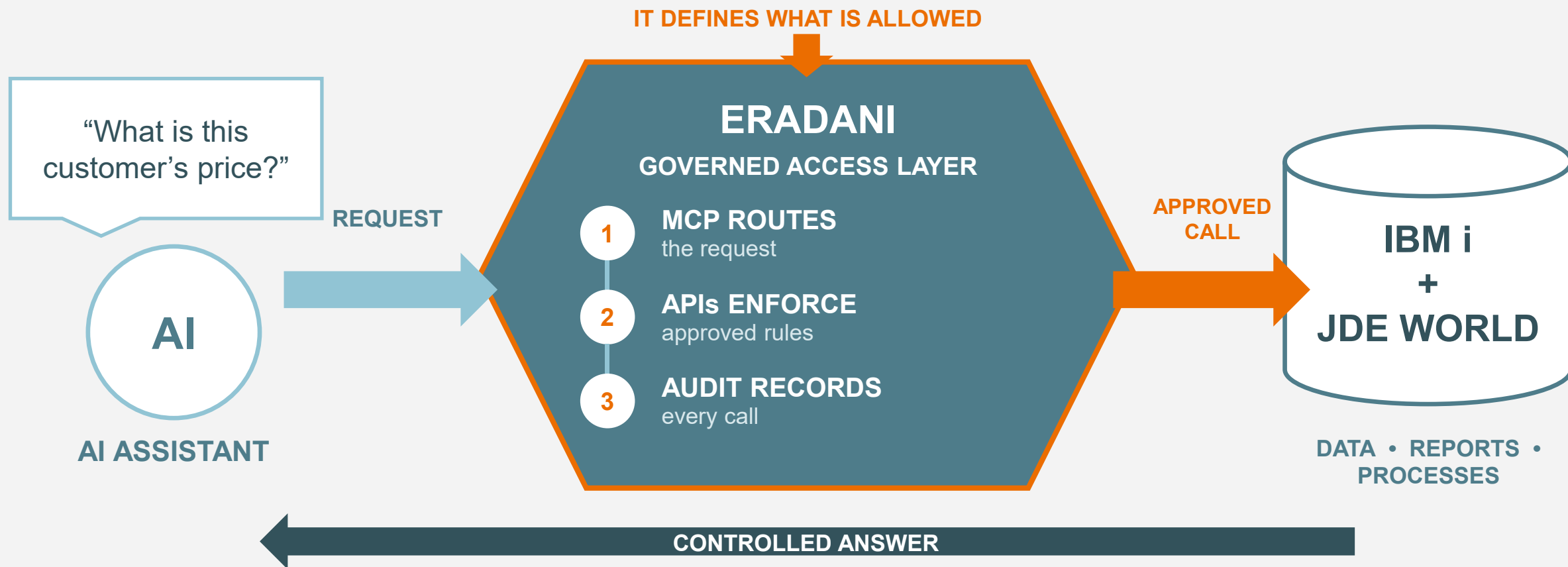
HOW A QUESTION BECOMES AN ANSWER



1. A user asks a question in plain language
2. The AI interprets what is being asked
3. The MCP server routes the request
4. Governed APIs decide what may be returned
5. JDE, IBM i, and DB2 answer within existing security
6. JD Edwards World remains the source of truth



ERADANI IS THE GOVERNED BRIDGE



ERADANI DOES NOT REPLACE JDE — IT CONTROLS THE PATH TO IT.

That controlled path is what makes security and governance enforceable.

SECURITY AND GOVERNANCE



GOVERNED APIS SIT IN FRONT OF THE DATA, SO IBM I SECURITY AND GOVERNANCE STAY EXACTLY WHERE THEY ARE.



NOT DIRECT ACCESS

AI never connects straight to DB2



NOT OPEN TABLES

It reads only what a governed API exposes



NOT A BYPASS

JDE and IBM i security still govern every request



NOT UNGOVERNED

IT defines the data, questions and rules



LESSONS LEARNED

KEY TAKEAWAYS



- Six things this proof of concept made clear.
- What changed was not the data itself, but how quickly the people who needed it could reach it.

01

Ordinary questions, hard answers

None needed new data. Each needed a chain of people to retrieve it.

02

Reporting still earns its place

Dashboards answer what you planned for. This answers what you did not.

03

Experience matters more

The most experienced people asked the sharpest questions.

04

APIs beat prompts

Clear business rules and well-designed APIs did the heavy lifting.

05

Start with one problem

Pick the question that comes up hundreds of times a week, not the hardest one.

06

The delay was the problem

The data was always there. Closing the gap to it is the win.

WHY THIS TAKES BOTH OF US



ONE PARTNER KNOWS YOUR BUSINESS PROCESSES.
THE OTHER KNOWS HOW TO OPEN THE DATA SAFELY.



ERP DEPTH

Briteskies knows
JDE World and its
processes



INTEGRATION

Eradani builds the
governed API and
MCP layer on IBM i



GOVERNANCE

Security and access
rules stay exactly
where they are



DELIVERY

A scoped proof of
concept, run by one
joint team



YOUR ERP ALREADY HAS THE ANSWERS

**The opportunity here isn't creating more data.
It's making the trusted data you already have
easier to reach.**

The gap is never the data. It
is the delays between the
question and the answer.

Closing that gap is available
to you now, with the system
you already own.



NEXT STEPS

FINAL THOUGHTS



1. AI unlocks your JDE / IBM i data
2. Security and governance come first
3. Know the pitfalls before you build
4. Start small, prove value fast



LET'S TALK ABOUT YOUR ENVIRONMENT

QUESTIONS



Ask us anything

No question is too basic or too technical.

We are happy to go deeper on architecture, security, licensing, or what a first project actually looks like.

**Every JD Edwards World environment is different.
Let's talk about yours.**

KEEP THE CONVERSATION GOING

Reach out to either of us to schedule an AI Discovery Workshop with your team.

Bill Onion

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bill.onion@briteskies.com

Aaron Magid

Chief Architect, Eradani
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