Integrating JDE with Microsoft Applications

SYNTAX

Agenda

- What can we do with Power Platform
- Enabling mobile and offline access to JDE data
- Leveraging Agents to optimize your JDE workloads
- Enhancing collaboration with Microsoft Teams for JDE data
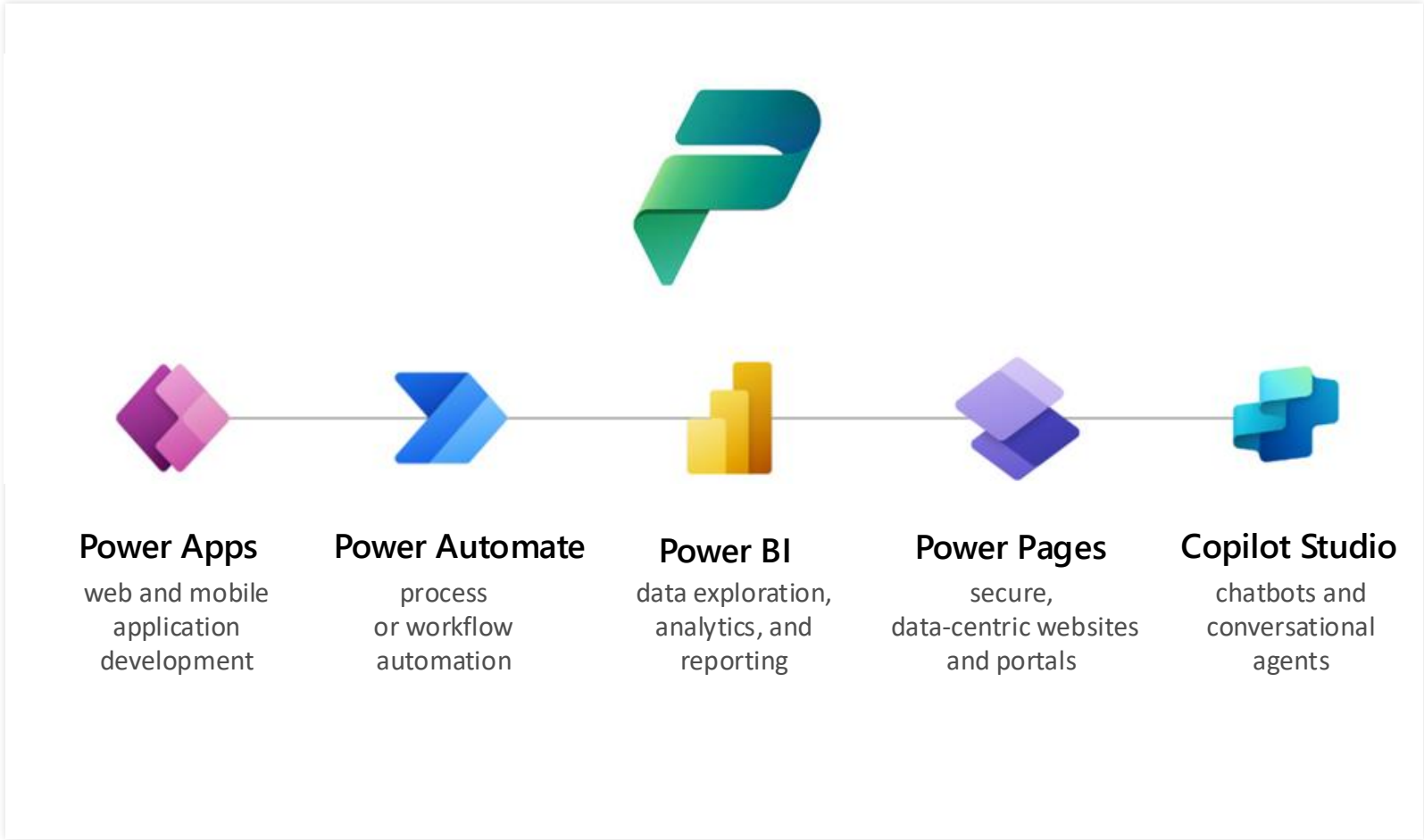- Best practices for integrating JDE with Power Platform

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MCSE — Productivity · MICROSOFT CERTIFIED PROFESSIONAL

MCSA — Office 365 · MICROSOFT CERTIFIED PROFESSIONAL

The Microsoft Power Platform

Power Apps
web and mobile application development

Power Automate
process or workflow automation

Power BI
data exploration, analytics, and reporting

Power Pages
secure, data-centric websites and portals

Copilot Studio
chatbots and conversational agents

Microsoft 365

Office

Teams

Third-Party ecosystem

ORACLE

Leading
Low-code automation platform

Secure & Compliant
Out of the box, thanks to Microsoft

Free
Base tier license with Microsoft 365

How is Power Platform different from other low-code platforms?

01

You most likely already have in your tech stack

85-90% of Fortune 500 companies use Microsoft 365 today and Power Platform is part of that.

02

Worlds largest low-code community

Over 7.5 million developers globally that uses Power Platform. Finding answers to common questions, and technical skills, is easy.

03

No or low license cost

You most likely already have the Power Platform licenses needed, as part of your Microsoft 365 licenses.

04

Limitless use cases

Integrates with any system, on any hyperscaler, on any device, for any use case, for any scale.

SYNTAX

Business application agility

You have a stable core with your ERP.

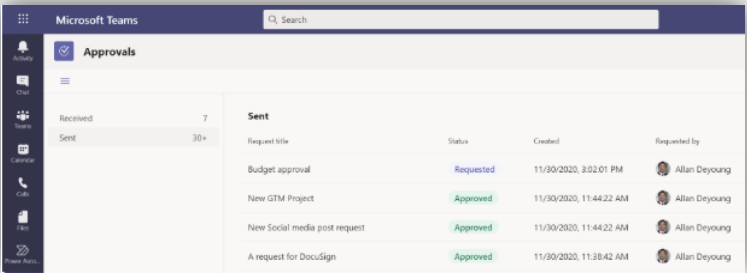But do you have agility to adapt quickly "surrounding" JDE?

- Rapid changes due to unexpected market changes.
- New asks to automate "non-core" business process.
- New technical expectations from customers and vendors/suppliers.
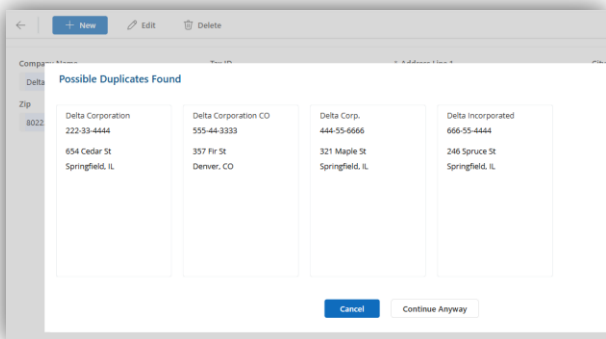
Enhance JDE with Power Platform

Tablet based applications using multiple sources of information in a single pane of glass.
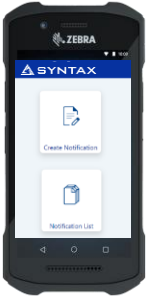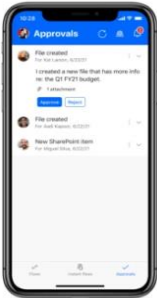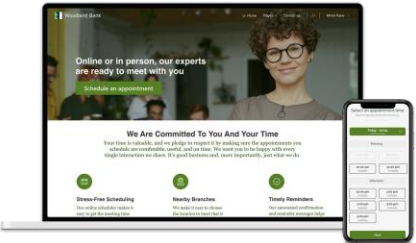
Maintenance management app with GenAI powered documentation, barcode scanner.

LLM powered Address Book matching with approvals.

JDE approvals in Teams, without logging on to VPN.

Responsive customer, vendor, partner portals for external self-service and automation.

Mobile approvals of any type for Android and iOS.

Enabling mobile with offline access to JDE data

- Power Apps comes with offline support.
  - Model Driven Apps – Recommended, more stable, less effort.
  - Canvas Apps – Also possible, some extra work.
- Build tablet apps or mobile apps for your field workers.
- Write-back to JDE AIS Server via REST calls (orchestrations).

Examples

- Oil Rig Maintenance
- Power Line Inspections
- Pipeline Monitoring
- Animal Health Inspections
- Forestry Management
- Fishing Catch Data Registration
- Rural Community Surveys
- Mining Incident Reporting
- Equipment Maintenance

Mobile access to JDE data

- Any use cases, any processes
  - Basic information lookup
  - Simple barcode scanner
  - Voice to text (gloves)
  - Image analysis (GenAI)
- Taking actions in JDE or other systems

Leveraging agents/chat bots to optimize your JDE workloads

- Without paying for a new 3rd party solution.
- What are the most common questions that users ask?
  - Purchase Order details?
  - Sales Orders details?
  - Inventory checks?
  - List of Work Orders?
- What if we allowed our users to self-serve and look that up directly in Teams, or Slack or a custom website?

Show me PO 1046
A minute ago

Please provide the Order type.
A minute ago

OP
A minute ago

Here are the details:

Purchase Order Details

Order Number: 1046

Order Date: 02/13/2025

Supplier: 4343 - Parts Emporium

Ship To: 6074 - Eastern Manufacturing Plant
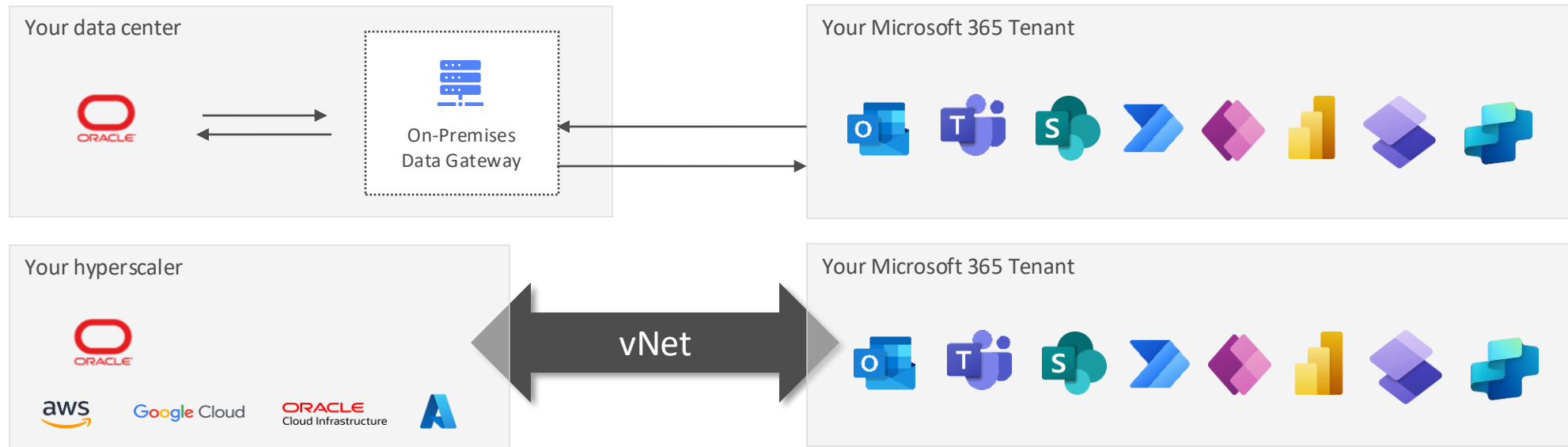
Company Name: Manufacturing/Distribution Co.

No.	Quantity	Ext Price
6018	1	80

Leveraging agents/chat bots to optimize your JDE workloads

JDE Agent

Demo!

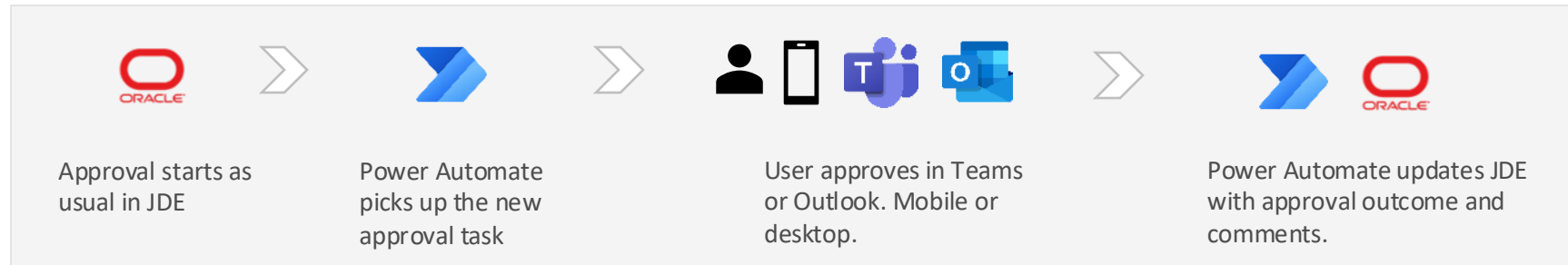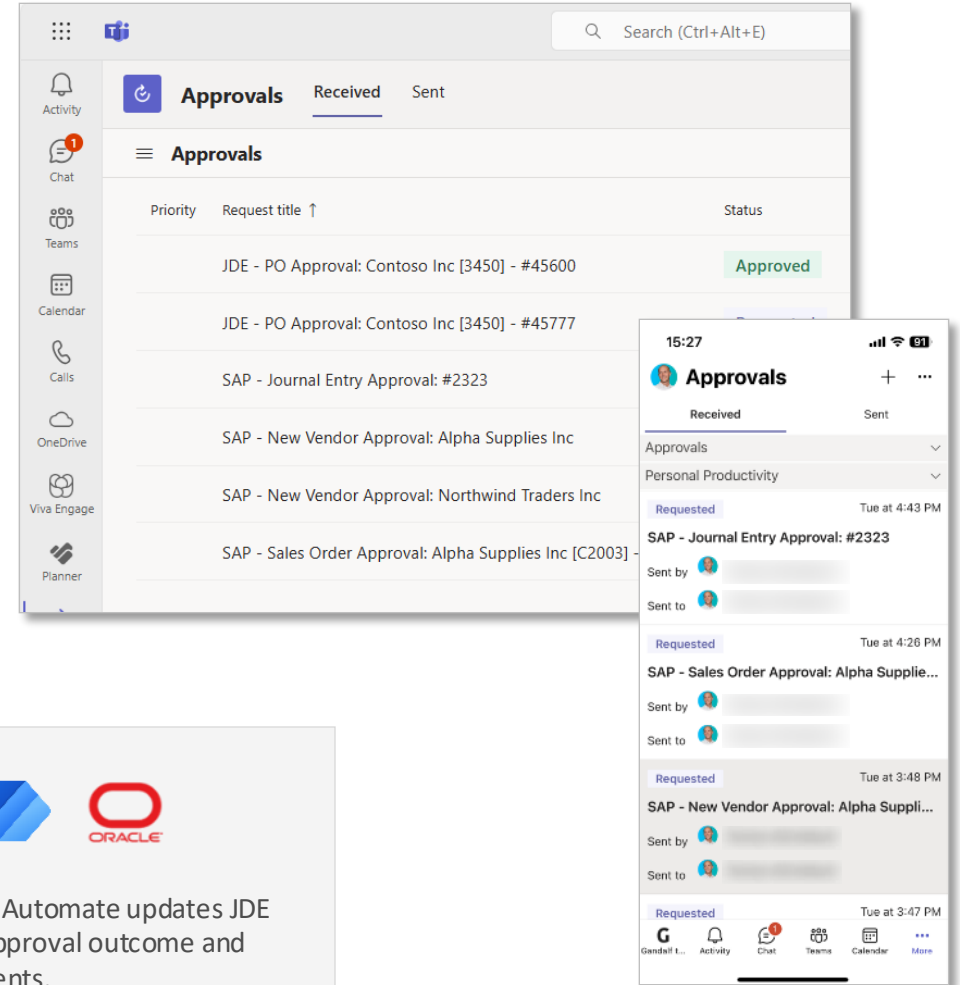# Best practices for integrating JDE with Power Platform

- Set up performance monitoring on the VM that runs the data gateway.
- Make sure that SSO is set up for PO approval use cases.
- Use orchestrations to do the heavy lifting on the JDE side.
- Use dedicated service accounts per solution/app.
- Set clear solution ownership for long term success.
- Test, test, test, and test. With real end-users.

Enhancing collaboration with Microsoft Teams for JDE data

Approvals in Teams

- Enables you to perform approval tasks in Microsoft Teams, instead of having to log on to VPN.
- Source of truth is always JDE. Using standard auditing tools. No data duplication.
- Makes your C-suite happy.
- Can be used for any type of approval.
- Company using Approval in Teams for other things already?

Approval starts as usual in JDE

Power Automate picks up the new approval task

User approves in Teams or Outlook. Mobile or desktop.

Power Automate updates JDE with approval outcome and comments.

Q&A and ad-hoc demos

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Integrating JDE with Microsoft Applications

SPEAKER:

Pontus Strindlund

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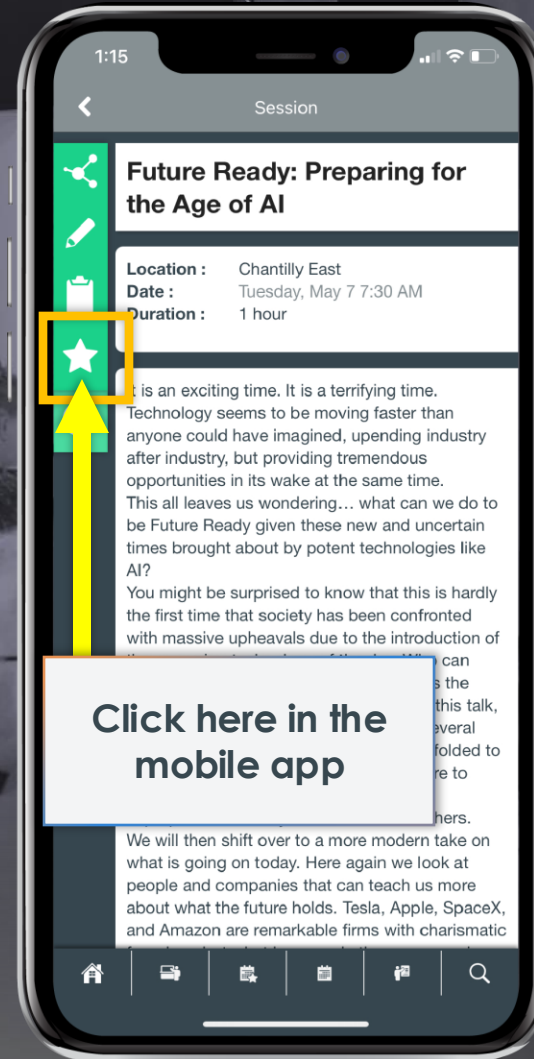
Complete 3 or more session surveys in a day and you'll be entered to win a **$500 gift card!**

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