A DYNAMICSCON PRESENTATION

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DYNAMICSCON VIRTUAL

MARCH 2023

FINANCE & OPERATIONS

DYNAMICSCON.COM

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Podcasts:

- Dynamics Update
- En Liten Podd om IT
- The Nerd Herd

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Agenda

- ONE VERSION
- QUALITY UPDATES AND RELEASE WAVES
- FEATURE UPDATES
- TESTING
- FINAL THOUGHTS

ONE VERSION

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Evergreen Application

Every customer on latest release, always

Microsoft managed continuous updates

Dynamics 365 for Finance & Operations

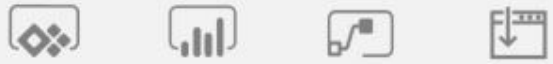
Full adaptability with 1000+ developer extension points

ISVs and pro developers

EXTENSIBILITY POINTS

Low/No code experience for adaptability

End users (Citizen developers, Power users)



Embedded PowerApps | Embedded PowerBI | Microsoft Flow | Custom Fields

Leading to

Supports continuous updates: No more expensive upgrades!	Improves supportability and serviceability
Empower customers to improve productivity without impeding upgradability	Reduced implementation costs for no-code personalization and customizations
Makes it much easier for ISVs to innovate along side Microsoft	Faster implementations and improved quality

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QUALITY UPDATES AND RELEASE WAVES

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Updates - Release Cadence

- 7 Releases per Year
- 2 Major Releases (Sort-of)
- Ability to skip 3

Updates - Release Cadence

Targeted release schedule (dates subject to change)

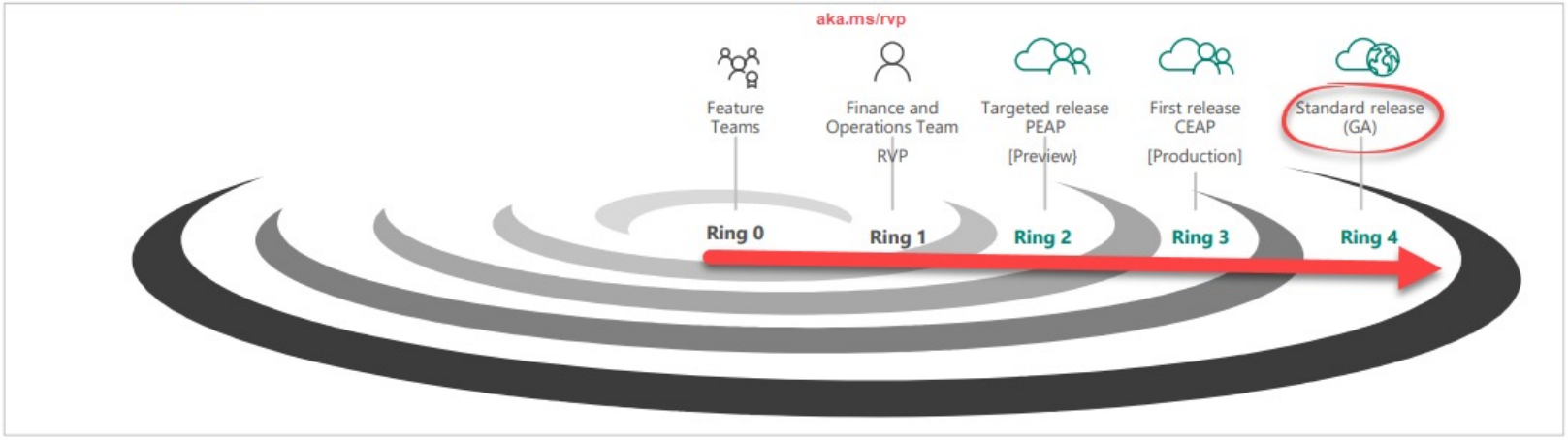
> **Note**
>
> Sandbox auto-update takes place 7 days prior to the production update. End of service indicates the date when no new cumulative service updates will be provided.

Version	Preview availability (PEAP)	Generally available (self-update)	Auto-update schedule (via LCS Update Settings) production start date	End of service
10.0.24	December 3, 2021	January 14, 2022	February 4, 2022	April 15, 2022
10.0.23	October 15, 2021	December 10, 2021	December 31, 2021	March 18, 2022
10.0.22	September 3, 2021	October 22, 2021	November 5, 2021	January 14, 2022
10.0.21	August 2, 2021	September 17, 2021	October 1, 2021	December 10, 2021

Updates

Safe Deployment Practice

Series of progressive validation to ensure quality



Microsoft

- Extensive validation
- Compatibility checker
- 100+ customer release validation program (RVP)

Targeted release

- Preview early access program (PEAP)
- Preview Builds

First release

- Customer Early Access Program (CEAP)
- Production Ready

Standard release

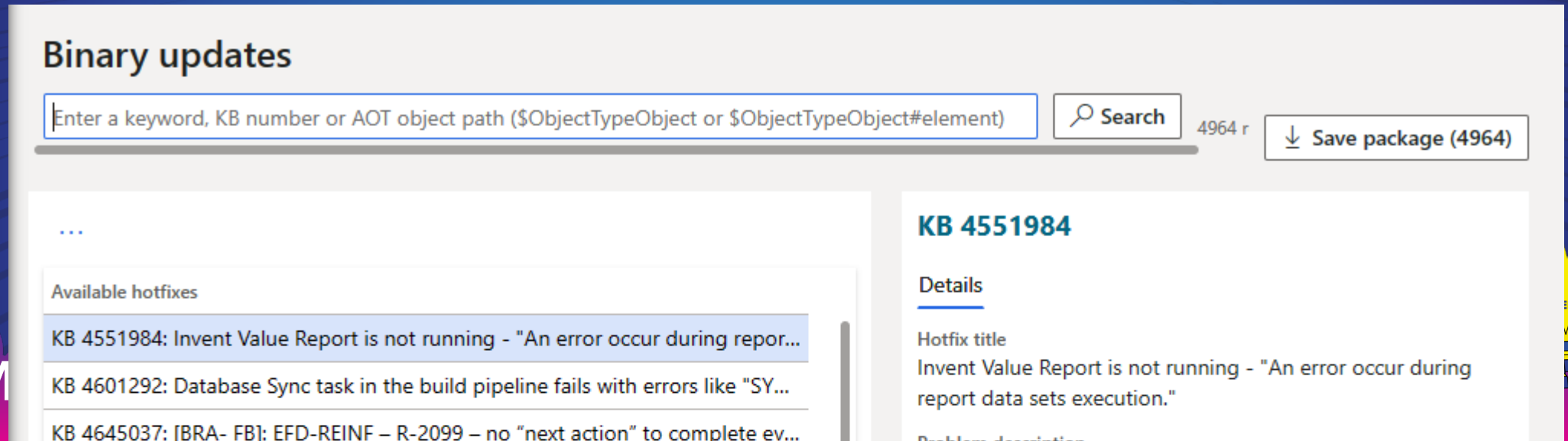
- Monthly predictability
- Customer controlled patching window
- UAT followed by production on consecutive week

Major and Minor Updates

- Need to skip every individual update window
- Auto-installed if no action
- How is Microsoft Testing the updates?
- What will happen next sprint?

Quality Updates

- Hotfixes
- Always Cumulative
- Sometimes backported



FEATURE UPDATES

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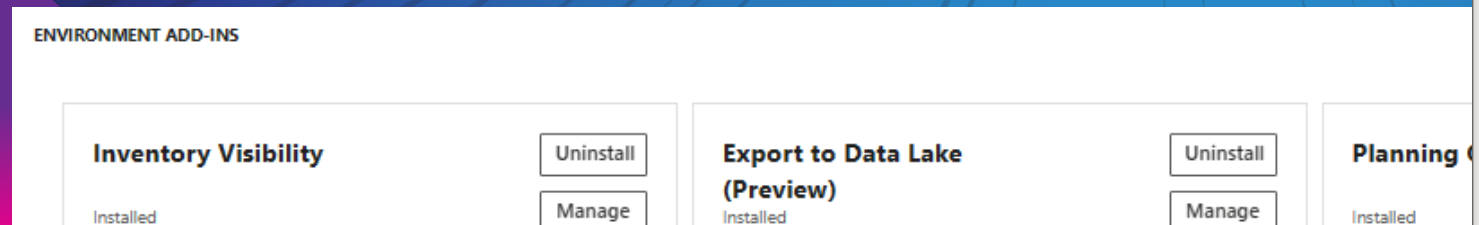
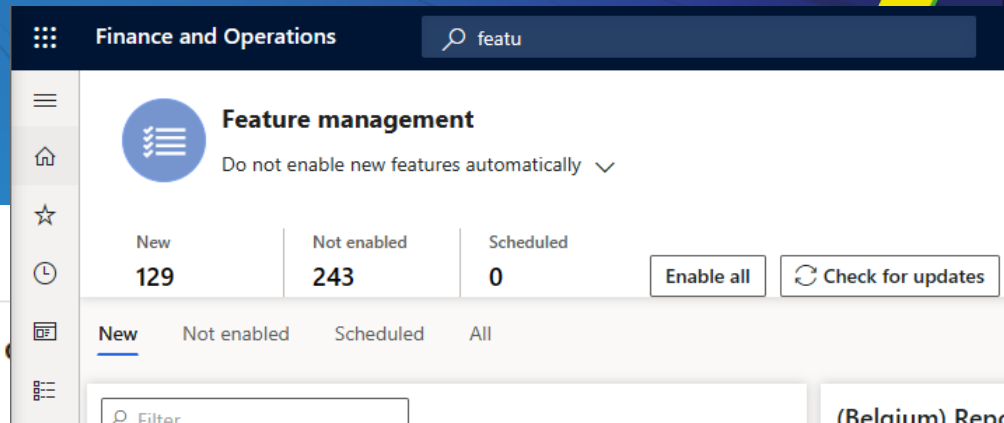
Features – Overview

- External or Internal
- (Used to be) Off by default

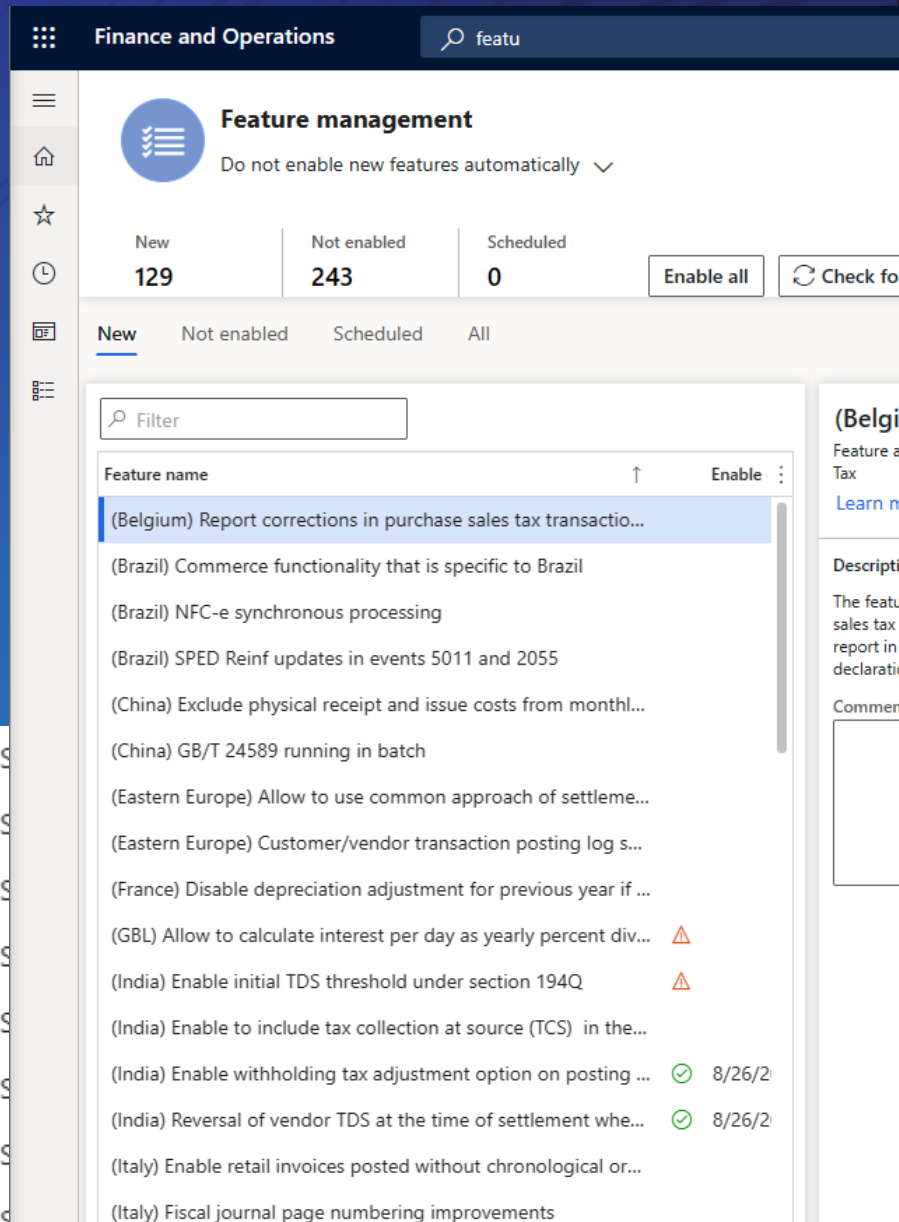
- Minimizing dependencies





Features

- Regional Features
- UI Features
- Performance Features
- Preview, Released, On by default, or Mandatory



Freezing columns in grids	✓	4/19/2021	3/3/2021	On by default	S
Upgrade to React 17	✓	4/19/2021	3/3/2021	Mandatory	S
Batch reschedule failed recurrent jobs	✓	4/19/2021	3/3/2021		S
Allow admins to select default document types	✓	4/19/2021	4/15/2021		S
Align combo box user interactions with lookup controls	✓	4/19/2021	4/15/2021		S
(Preview) Ensure required unbound controls are filled in	✓	4/19/2021	4/15/2021	Preview	S
Allow configuration of the publish batch size in the Excel ad...	✓	4/19/2021	4/15/2021		S
Visual update for wizards	✓	8/11/2021	5/17/2021		S

On by default

“Example of expected feature lifecycles
Features that can be disabled, and that were added as released and optional before or as part of the April release, are expected to transition to **On by default** in the following October release. They are then expected to become **Mandatory** in April of the following year.
Feature that can't be disabled, and that were added as released and optional before or as part of the April release, are expected to transition to **Mandatory** in April of the following year.”

TESTING

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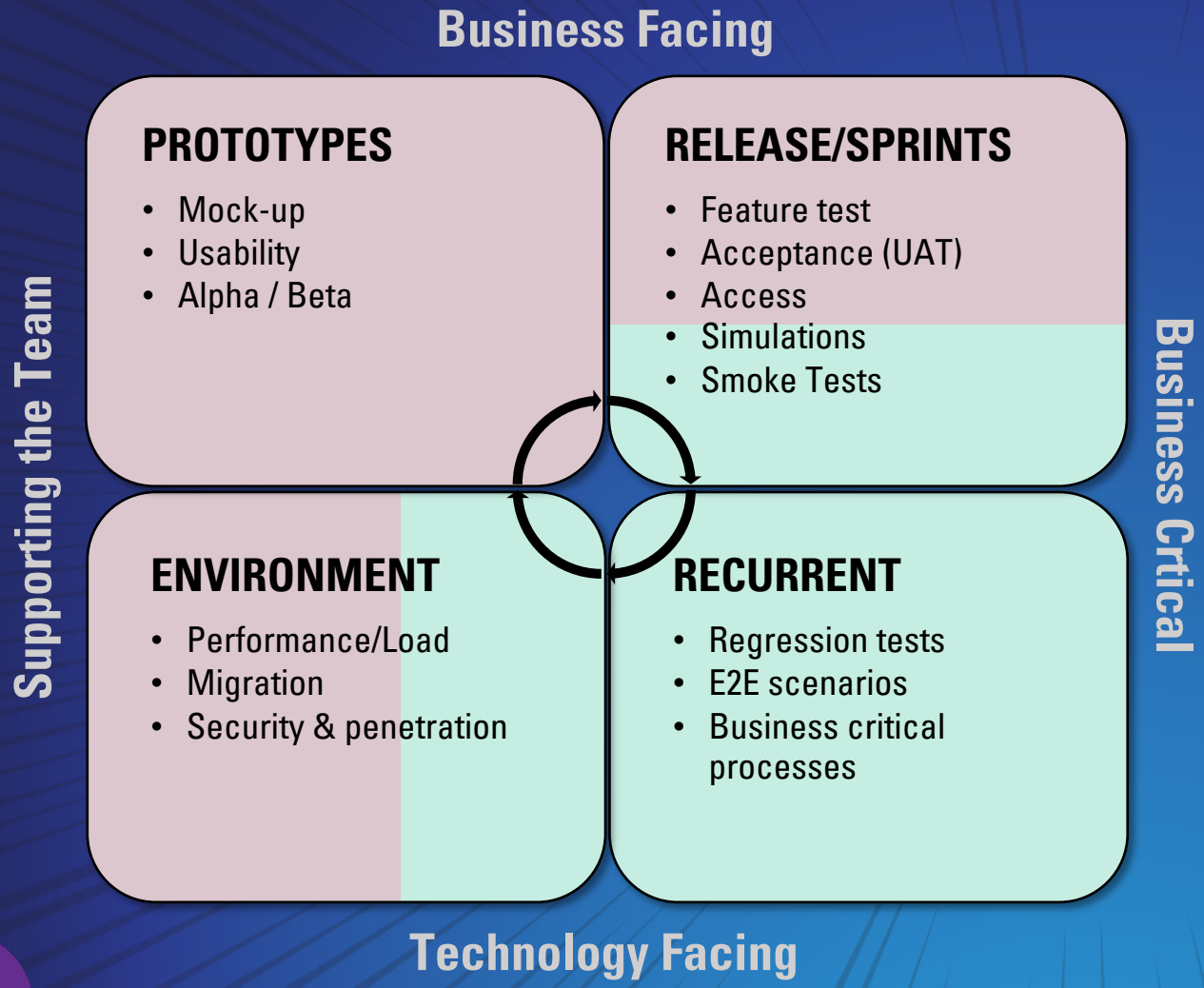
Testing

- Ongoing Testing
- Automatic Testing
- Implicit vs Explicit testing
- Testing Scope

- End-To-End
- Regression

WHICH TESTS COULD BE AUTOMATED?



PURPOSE and BENEFITS

- Faster Regression Cycles
- Test Effectiveness
- Integrated Lifecycle Management
- Accelerated Testing Process
- Consistent Quality

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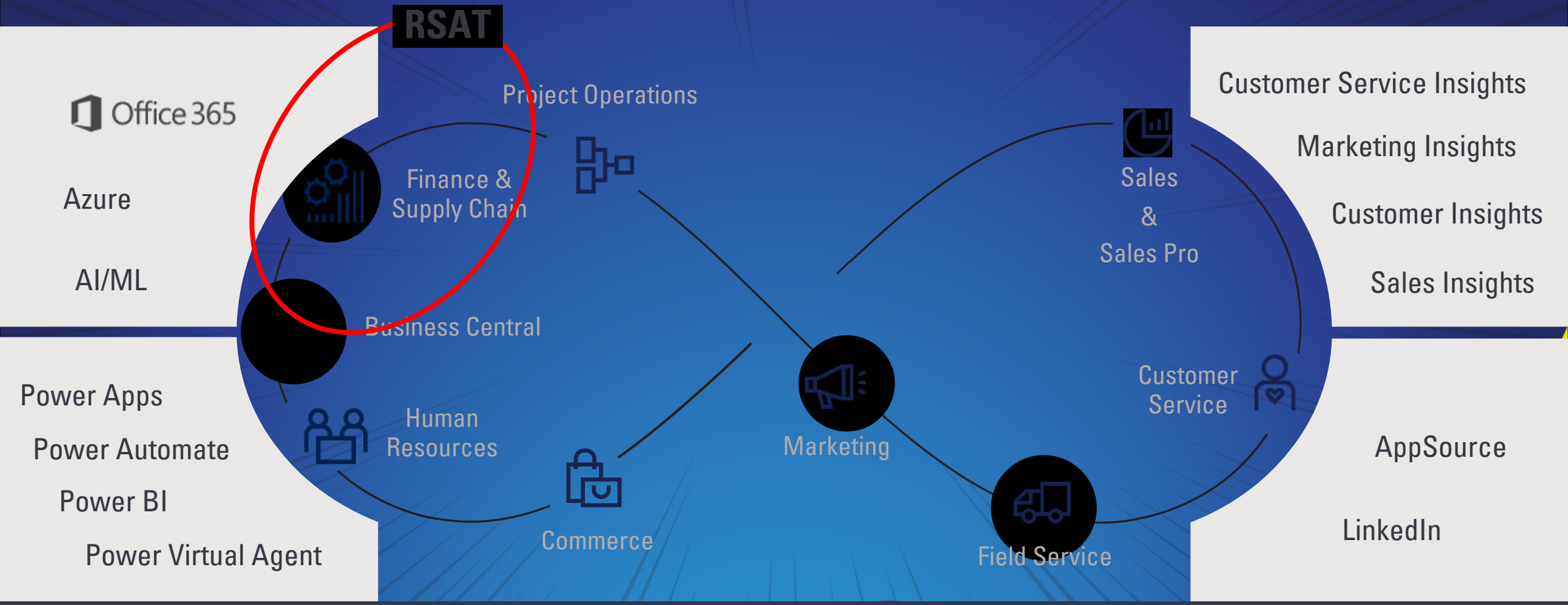
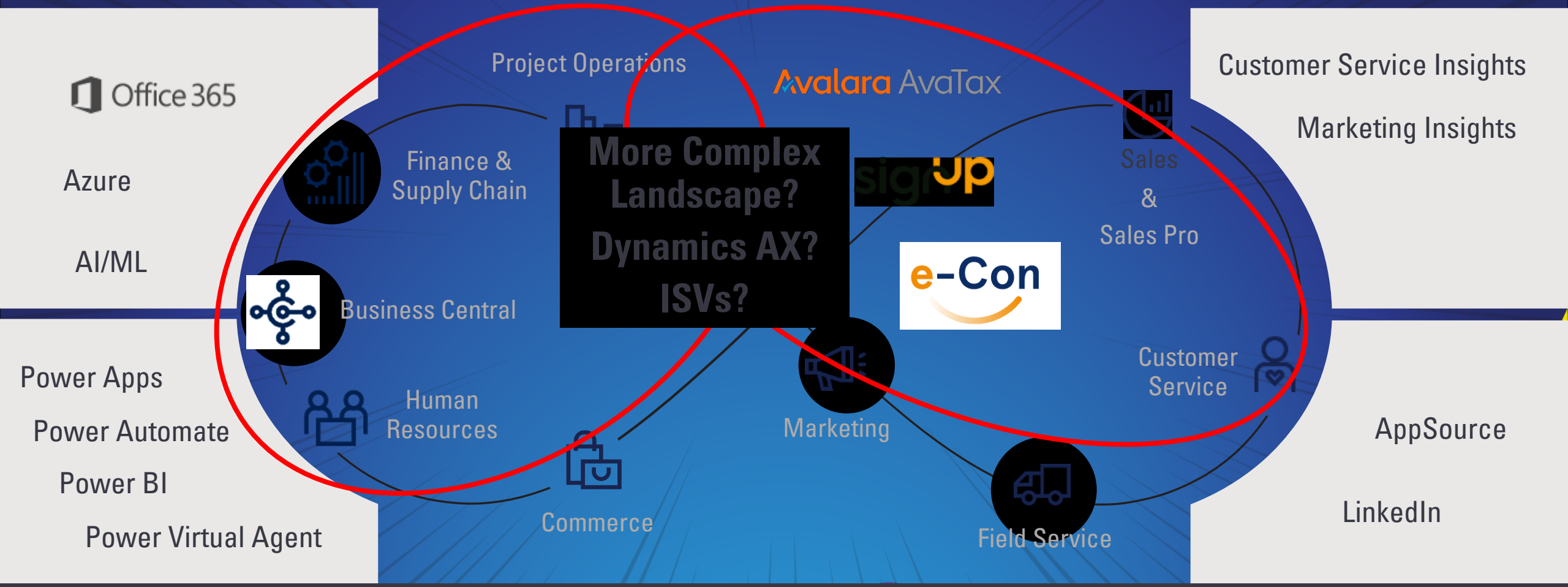
WHAT TO TEST?



Common Data Service (CDS) & CDM

WHAT TO TEST?



Common Data Service (CDS) & CDM

Feature description	RSAT Microsoft	Executive Automats Xplus	Rapise Inflectra	Selenium Opensource
Dynamics F&O	★★★★★	★★★★☆	★★☆☆☆	★☆☆☆☆
Dynamics CE	☆☆☆☆☆	★★★★☆	★★☆☆☆	★☆☆☆☆
ISV (Internal)	★★★★★	★★★★☆	★★☆☆☆	★☆☆☆☆
Web	☆☆☆☆☆	★★★☆☆	★★★★☆	★★★★☆
Mobile device	☆☆☆☆☆	★☆☆☆☆	★★★★☆	★★★★☆
Integration/API (Dynamics)	★☆☆☆☆	★★★★☆	★★★☆☆	★★☆☆☆
Performance testing (Dynamics)	★☆☆☆☆	★★★★☆	★★☆☆☆	★★☆☆☆
Legacy	☆☆☆☆☆	★★☆☆☆	★★★★☆	★★★★☆
Usability	★★★☆☆	★★★★☆	★★☆☆☆	★☆☆☆☆
Coding skills required	*Basic*	*Basic*	*Medium*	*Advanced*
Vendor dependency	*High*	*High*	*Low*	*None*
Customizable	*None*	*CR*	*High*	*No limit*
Browser support	★★☆☆☆	★★★☆☆	★★★★★	★★★★☆
Dashboards	★★★★★	★★★★☆	★★☆☆☆	★☆☆☆☆
DevOps Integration	★★★★★	★★★☆☆	★★★☆☆	None
Pricing	Yearly fee / User	Yearly maintenance fee (*different price plans)	Yearly maintenance fee (*different price plans)	Free

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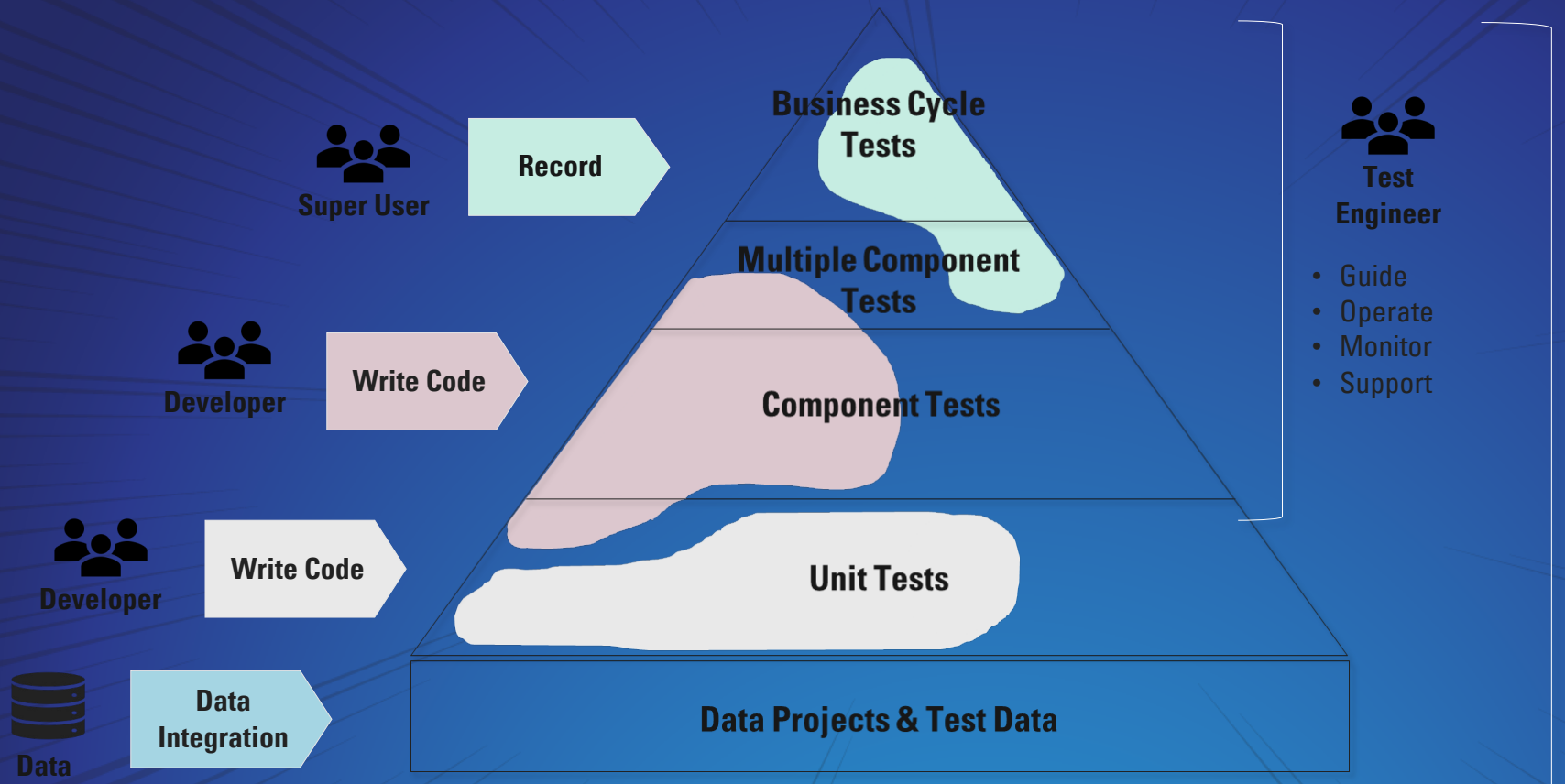
ORGANIZATION



Test Engineer

- Guide
- Operate
- Monitor
- Support

Test Manager

- Test Strategy
- Tools and Environments
- Way-of-Working
- Training

- Get Steering Committee, Business, Project on board
- Secure time and resources (it will take time)
- Communicate benefits and vision

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AUTOMATIC TESTS – WHICH PROCESSES SHOULD WE TEST

- **Top 10 important Business Processes**
  - Loose Money
  - Loose Customers
  - Loose Reputation
- **Maintain Tests**
- **Create Regression Tests**

FINAL THOUGHTS

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Philosophical Side Question

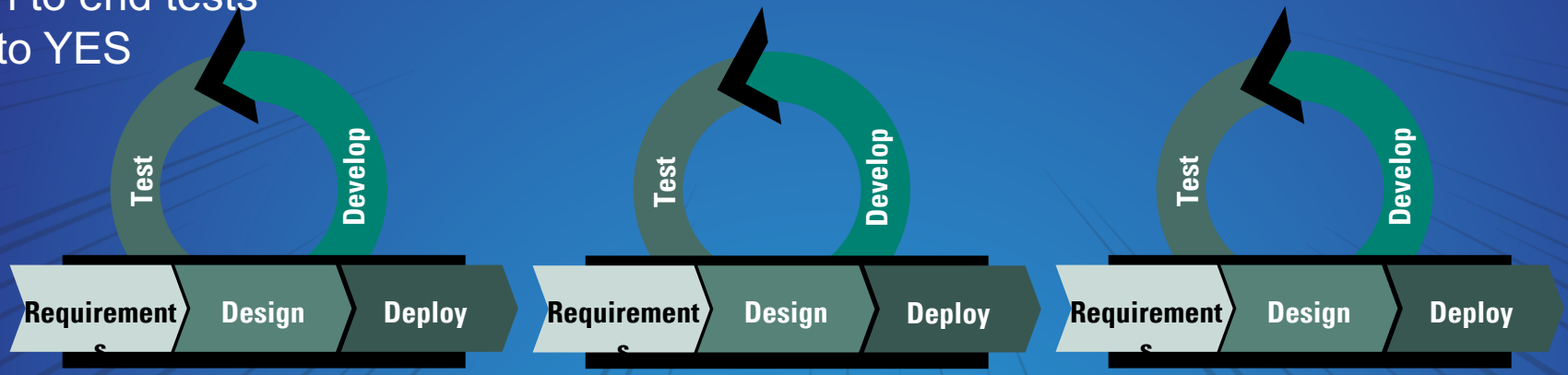
What is the difference between a project and a product?

How do we do this?

Hint: The key is agility

Updates
- Iterative
- LifeCycle Management
- Skip only when necessary
- Process for regression testing (Automatic)

Features
- Part of the backlog
- Classify
- Test in in to end tests
- Default to YES



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(My) Final Thoughts

- A lot of testing has already been done
- The impact is minimal
- Microsoft also does ALM and does not want things to break
- You are already paying for the improvements
- Some amount of trust will be required
- Install in pre-release environments as soon as possible
- Implicit testing

QUESTIONS?

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THANK YOU!

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