

# ACCELERATE YOUR SDLC

## INTRODUCING THE BEST™ FRAMEWORK

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SIX FEET UP

PURDUE INNOVATES – LUNCH & LEARN 2024



# SOURCE SLIDES/PRESENTATION



# JOURNEY

- » 6 Globally Distributed Teams
- » Some Poorly Performing
- » Goal to Improve Delivery Velocity
- » Assumptions:
  - » Poor Test Coverage?
  - » Technical Debt?

# THE DISCOVERY

- » Interviewed 6 Teams
- » Used a sampling of people
- » About 6 hours per team in just interviews
- » Uncovered many more issues

# ONE TEAM, MANY ISSUES

Poor score	Average	Good
<ul style="list-style-type: none"><li>• Issue resolution</li><li>• Access management</li><li>• Documentation</li><li>• Instrumentation</li><li>• Security</li><li>• Code reviews</li><li>• Configuration management</li><li>• Orchestration</li><li>• Testing</li><li>• Team Resiliency</li><li>• Tracking and forecasting</li><li>• Scaling</li></ul>	<ul style="list-style-type: none"><li>• Coding Standards</li><li>• SCM</li><li>• Innovation</li></ul>	<ul style="list-style-type: none"><li>• Powerstation setup</li><li>• Culture</li><li>• Training</li></ul>

# Prioritizing Investments

## » 4 Stages, 19 Units

### Fusion

Stage I: Build	Stage II: Execute	Stage III: Streamline	Stage IV: Transform
Issue Identification & Resolution	Training/Growth Mindset	Configuration Management	Team Resiliency
Development Environment Setup	Source Control Management	Orchestration	Tracking & Forecasting
Access Management	Instrumentation	Continuous Integration	Innovation
Culture	Security	Disaster Recovery	Leveling Up
Documentation	Code Reviews		
Coding Standards			

### Heatmap Key:

Poor	Poor	Mediocre	Mediocre	Fair	Fair	Decent	Good	Good	Best
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1                          2                          3

\* Denotes a component with 50% or more of "Don't Know/Other" answers.

# TALE OF TWO TEAMS

## » Leverage Cross-Team Pollination

Fusion

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1                    2                    3

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Frontend Team

Stage I: Build	Stage II: Execute	Stage III: Streamline	Stage IV: Transform
Issue Identification & Resolution	Training/Growth Mindset	Configuration Management	Team Resiliency
Development Environment Setup	Source Control Management	Orchestration	Tracking & Forecasting
Access Management	Instrumentation	Continuous Integration	Innovation
Culture	Security	Disaster Recovery	Leveling Up
Documentation	Code Reviews		
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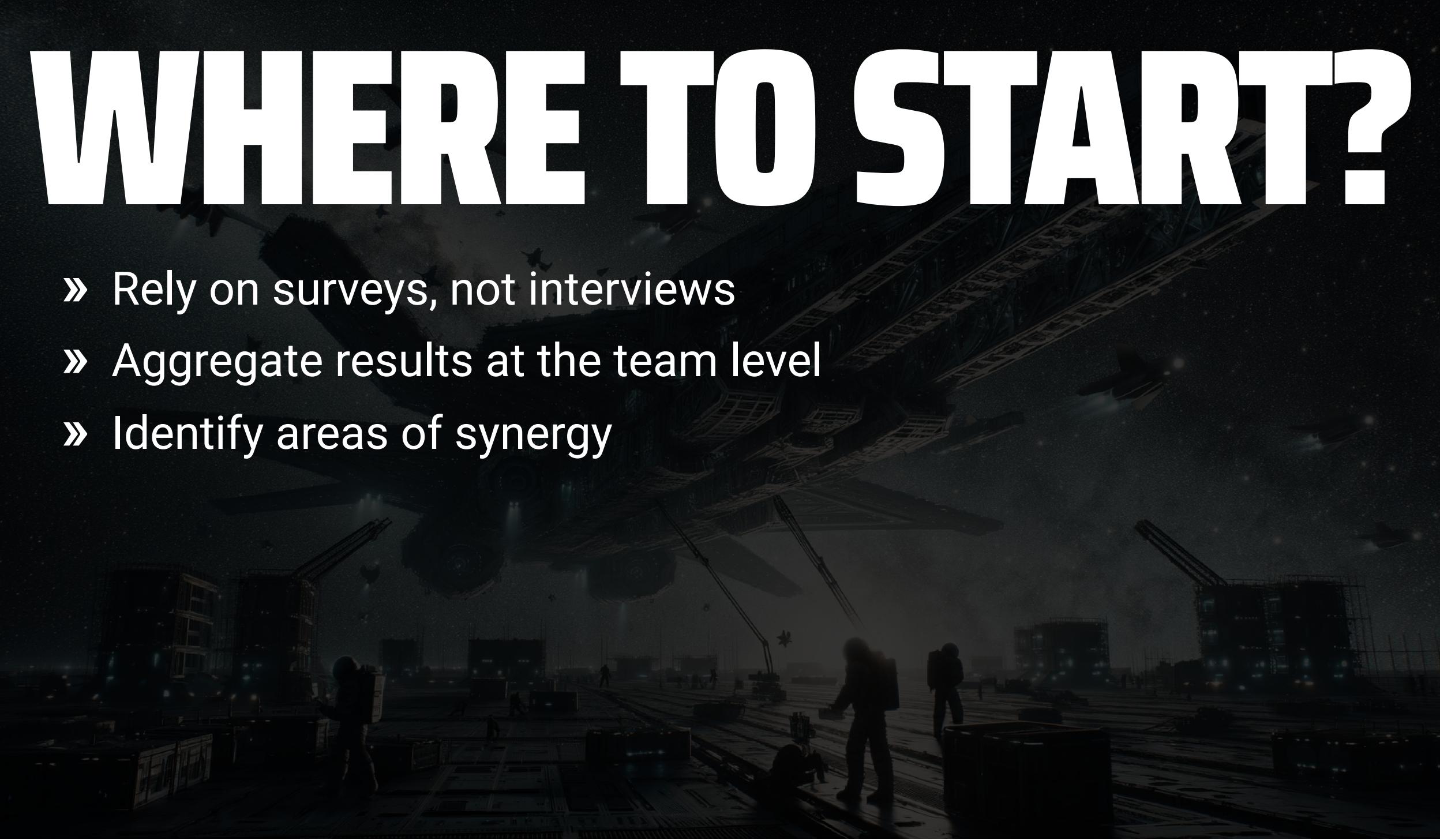
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# WHERE TO START?

A dark, atmospheric background featuring a futuristic city skyline at night. The scene is filled with silhouettes of people walking on elevated walkways and large, complex mechanical or architectural structures that resemble space stations or advanced cities. The overall mood is mysterious and industrial.

- » Rely on surveys, not interviews
- » Aggregate results at the team level
- » Identify areas of synergy

# DIY ASSESSMENTS

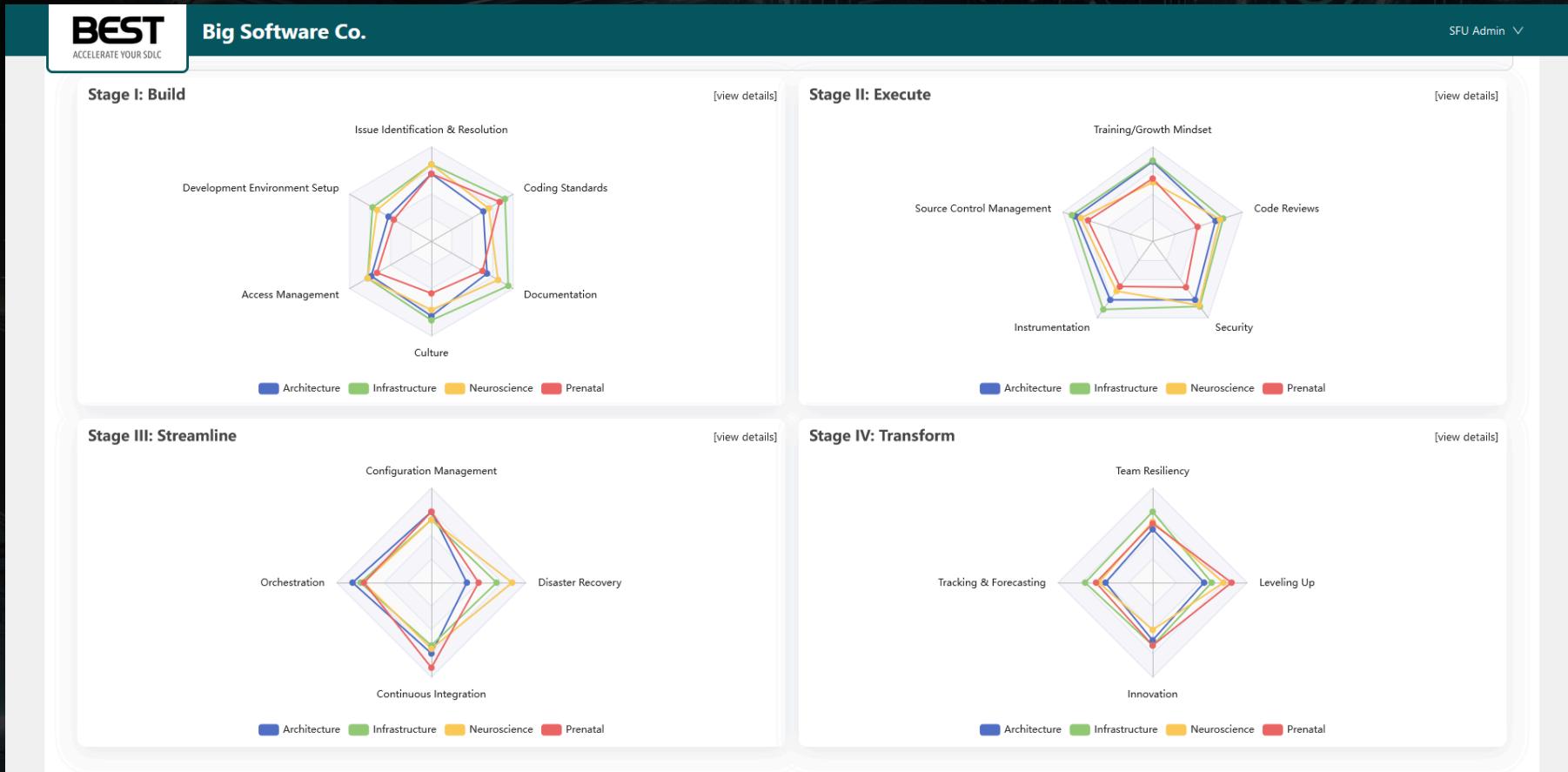
- » Identify your best SDLC practices
- » Order them according to priority
- » Develop questions with only 3 options (for ease of scoring)
- » Have everyone take the survey
- » Identify your internal domains of expertise and leverage them
- » Repeat every 6 months and monitor progress

# DOWNLOAD OUR 19 BEST™ PRACTICE AREAS



STAGE I <b>BUILD</b>	STAGE II <b>EXECUTE</b>	STAGE III <b>STREAMLINE</b>	STAGE IV <b>TRANSFORM</b>
<b>ISSUE IDENTIFICATION &amp; RESOLUTION</b> Building trust with proactive, reflective improvement.	<b>TRAINING &amp; MINDSET</b> Continuous learning, teamwork, and advanced technologies	<b>CONFIGURATION MANAGEMENT</b> Boost consistency and maintainability	<b>TEAM RESILIENCY</b> Harnessing collective expertise and knowledge
<b>ENVIRONMENT SETUP</b> Streamlining setup, development, and debugging processes	<b>SOURCE CONTROL MANAGEMENT</b> Team-oriented practices for managing code changes	<b>ORCHESTRATION</b> Repeatable, scalable, and automated development and deployment	<b>TRACKING &amp; FORECASTING</b> Tracking, reporting KPIs, and forecasting productivity
<b>ACCESS MANAGEMENT</b> Secure and controlled access to digital resources	<b>INSTRUMENTATION</b> Monitor, analyze, and optimize performance and health proactively	<b>CONTINUOUS INTEGRATION</b> Integrating testing, checks, and security within CI/CD	<b>INNOVATION</b> Agility and responsiveness to the technological landscape and market demands
<b>CULTURE</b> Continuous growth through collaboration and engagement	<b>CULTURE</b> Continuous growth through collaboration and engagement	<b>DISASTER RECOVERY</b> Recovery from disruptions, stressing preparedness and minimal downtime	<b>LEVELING UP</b> Harmonizing technical proficiency with strategic foresight and progress
<b>DOCUMENTATION</b> Knowledge management and traceability	<b>SECURITY</b> Integrating continuous and proactive security practices		
<b>CODING STANDARDS</b> Ensuring the codebase is maintainable, consistent, and understandable for all			

# DATA-DRIVEN INSIGHTS



# EXPLORE FURTHER...



**BEST**  
ACCELERATE YOUR SDLC



# TALK TO ME

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