

MAINFRAME AND WORKLOAD AUTOMATION

# Vision & Strategy Next-Gen Workload Automation

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# Agenda

1 MISSION ESSENTIAL TO APPLICATION ECONOMY

2 ENABLERS FOR THE APPLICATION ECONOMY

3 CA CONVERSION SERVICE

4 NEXT-GEN CA WORKLOAD AUTOMATION

5 Q & A



# Customers Demand More

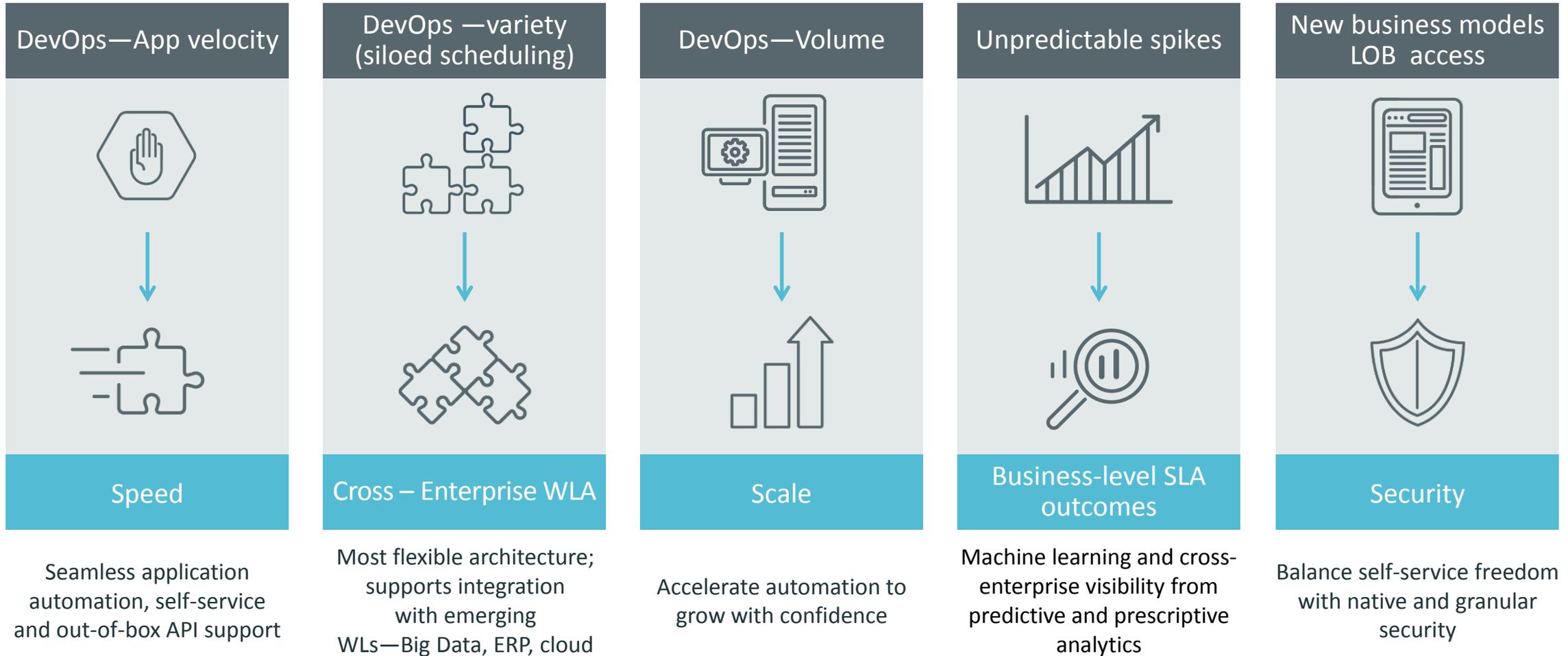


Expectations of  
application performance



LOB demands and speed

# CA Workload Automation: Critical for Delivering Mission-Essential Services in the App Economy



# Next-Gen CA WLA Will Have to Balance Speed With Consistency

## Stability in Operations



*Requires efficient deployment, operations and ongoing support of services and applications created in agile development*

### Single WLA tool

- End-to-end capability
- Heterogeneous infrastructure and application landscape

## Agility in Application Delivery



*Requires agile feedback loop that shares analytics, insight and monitoring of the underlying service-delivery infrastructure*

### Workload agility and analytics

- Built-in Automation
- Visualize and analyze usage pattern of jobs, tasks and processes

## Goal

**Reliability, availability and risk-averse capabilities**

**Continuous improvements**  
Quickly adapt to new situations to release tasks into production

Automation needs to fulfill both expectations

# Essential Enablers for the Application Economy

## Business Economics

- Software Consolidation
- Emerging Technologies
- Mainframe Platform Exploitation

## Rapid Adoption

- Simplify and Modernize
- Predictive Analytics
- Rapid Deployment
- Managed Services



## Business Agility

- Agile App Delivery
- Self-service Management
- Application Integration
- Cloud and Container Automation

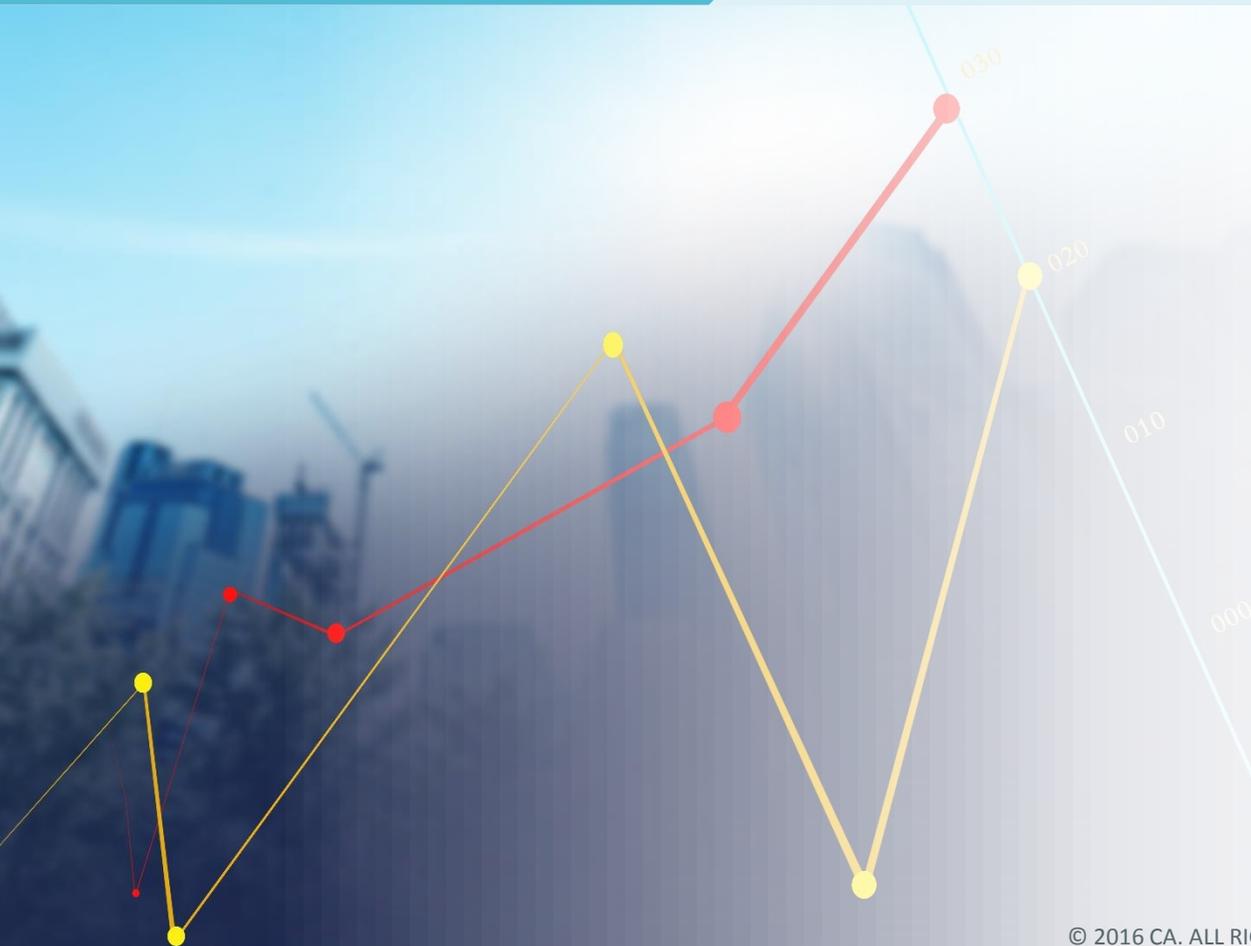
## Security and Compliance

- Data Security
- Advanced Authentication
- Audit and Authorizations

# Business Economics

ROI

Do More with Less



## Focus areas:

- CA Conversion Service
- Platform agnostic automation
- Specialty Processors & HA

# Rapid Adoption

**SIMPLE**

Fast Deployment and Modernized User Experience



## Focus areas:

- Browser and Mobile interfaces
- Advanced Analytics
- Effortless upgrades and rollouts
- Automation with managed services

# Business Agility

**SPEED**

Accelerate Application Automation



## Focus areas:

- API-first automation
- Secure Self-service
- Flexible Application Integrations
- Cloud and Container workloads

# Security and Compliance

**SAFE**

Increase self-service with data and user security

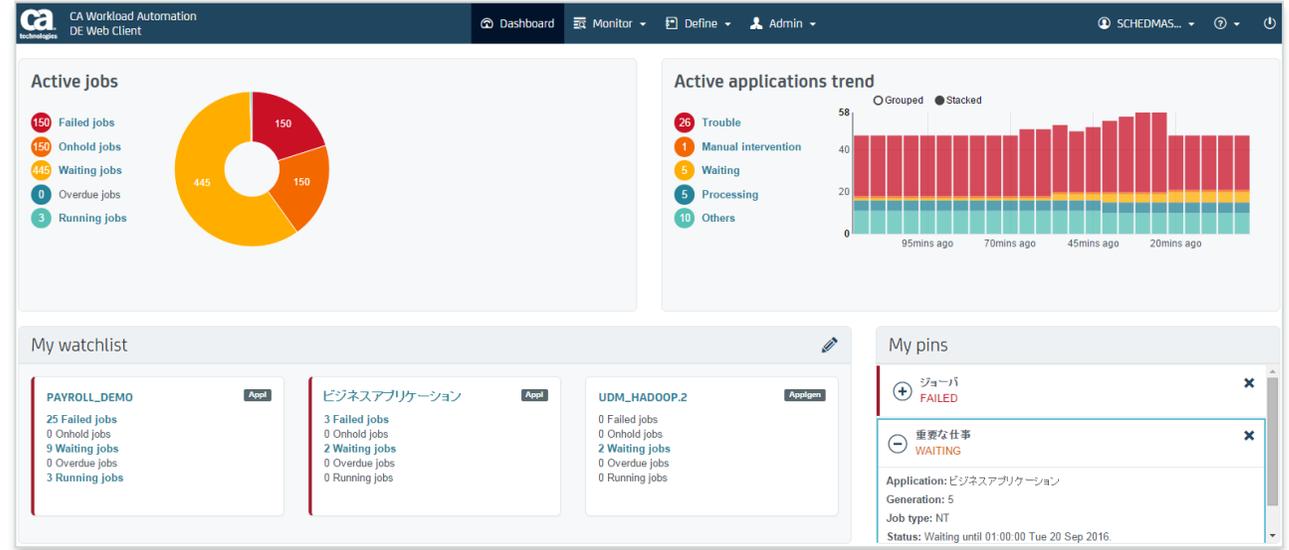


## Focus areas:

- Data access and movement
- Multi-factor and SAML
- User authorizations and audit

# Next-Gen Workload Automation- Modernized User Experience

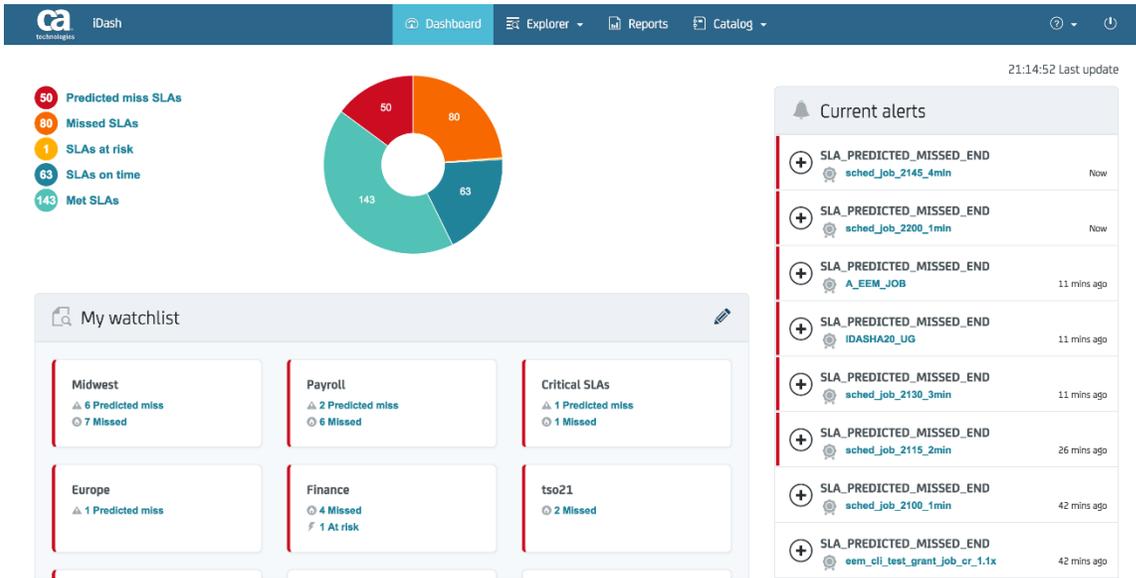
- Light weight, browser based UI with tablet support
- Business, Persona focused experience
- Support Internalization and Localization
- Centralized management for Mainframe & distributed workloads



| State            | Application      | Generation | Total Jobs | % Completion | Start Time            | End Time | Event            | Trigger |
|------------------|------------------|------------|------------|--------------|-----------------------|----------|------------------|---------|
| APPLHOLD         | TESTOMTEXTL...   | 2          | 2          | 0            |                       |          | SCHEDMASTER.T... |         |
| APPLHOLD         | TEXTFILEAPP1     | 3          | 4          | 0            |                       |          | SCHEDMASTER.T... |         |
| MANUAL_INTERV... | RETRIEVE_SPOO... | 3          | 5          | 80           | "12:42:28 Fri 3 Ju... |          | SCHEDMASTER....  | MANUAL  |
| MANUAL_INTERV... | SUBAPP_CRIT      | 4          | 5          | 60           | "12:52:29 Mon 6 J...  |          | SCHEDMASTER....  | MANUAL  |
| MANUAL_INTERV... | SUBAPP_CRIT      | 3          | 5          | 80           | "12:48:30 Mon 6 J...  |          | SCHEDMASTER....  | MANUAL  |
| MANUAL_INTERV... | SUBAPP_CRIT      | 2          | 5          | 80           | "12:47:26 Mon 6 J...  |          | SCHEDMASTER....  | MANUAL  |
| MANUAL_INTERV... | SUBAPP_CRIT      | 1          | 5          | 80           | "12:31:07 Mon 6 J...  |          | SCHEDMASTER....  |         |
| MANUAL_INTERV... | TEST_REALTIME    | 53         | 13         | 0            | "13:17:21 Fri 3 Ju... |          | SCHEDMASTER.T... |         |
| MANUAL_INTERV... | TEST_REALTIME    | 51         | 11         | 0            | "13:07:48 Fri 3 Ju... |          | SCHEDMASTER.T... |         |
| MANUAL_INTERV... | TEST_REALTIME    | 50         | 11         | 0            | "13:05:52 Fri 3 Ju... |          | SCHEDMASTER.T... |         |
| MANUAL_INTERV... | TEST_REALTIME    | 49         | 11         | 0            | "11:55:19 Fri 3 Ju... |          | SCHEDMASTER.T... |         |
| TROUBLE          | AUTO_JOB_RU...   | 38         | 27         | 30           | "19:47:16 Wed 1 J...  |          | SCHEDMASTER....  | MANUAL  |
| TROUBLE          | AUTO_JOB_RUN...  | 37         | 18         | 22           | "19:44:27 Wed 1 J...  |          | SCHEDMASTER....  | MANUAL  |
| TROUBLE          | CRITICAL_UI      | 3          | 6          | 17           | "12:18:58 Mon 6 J...  |          | SCHEDMASTER....  |         |
| TROUBLE          | CRITICAL_UI      | 2          | 6          | 17           | "12:16:45 Mon 6 J...  |          | SCHEDMASTER....  | MANUAL  |

# Next-Gen Workload Automation – Advanced Analytics

## Use Case & Solution Concept

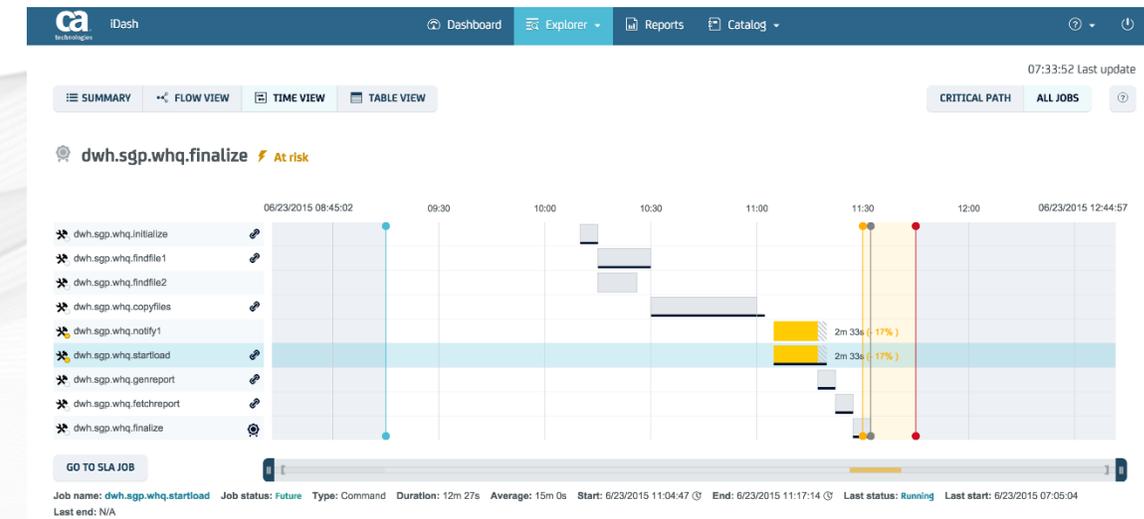


## PROBLEM

- “Need to know if any of our critical business processes are going to miss their SLAs”
- “What can we do to prevent breaching of SLAs?”

## SOLUTION

- Analyze real-time workload information
- Track and escalate prioritized issues
- Correlate metrics via machine learning
- Decision support for rapid triage and impact analysis
- Automate customized analysis and recovery actions
- Offer historical analytics for audit, optimization



# Next-Gen Workload Automation – DevOps, Emerging Application Architecture

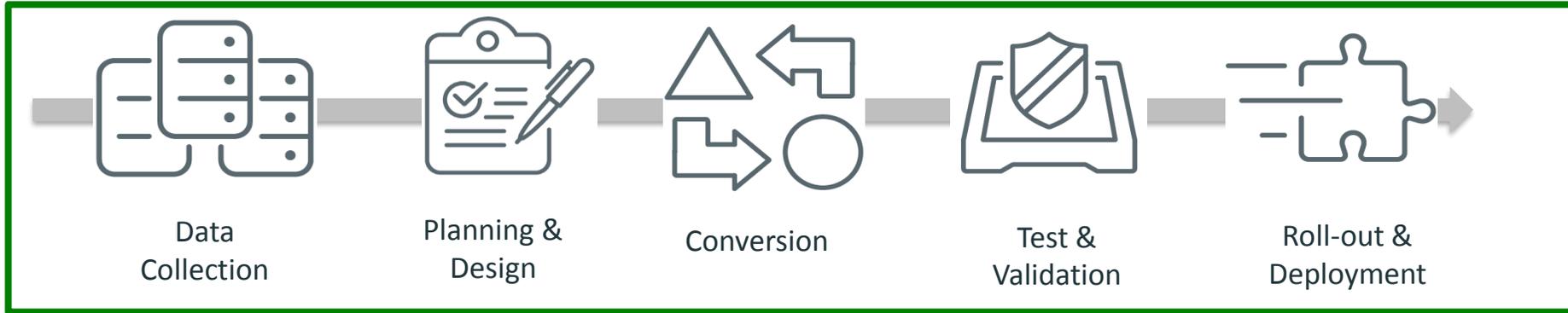
## Cloud & Container Orchestration

- Container-friendly, cloud orchestrator
- API-based communication
- Support dynamic provisioning for on-demand workloads
- End-point monitoring and control
- Automated triggering based on container, cloud machine provisioning
- Support variety of container managers, cloud providers
- Metering, resource monitoring and analytics



Orchestrate  
bi-modal workloads  
from single solution

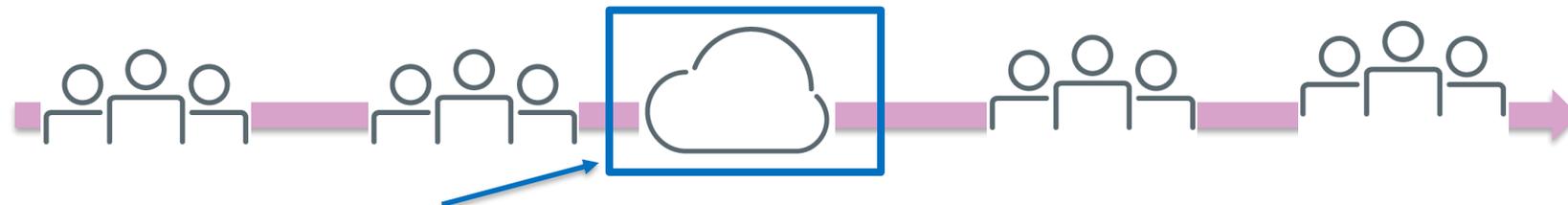
# How it Works - CA Conversion Service Is Different



**CA provides the entire lifecycle process in a conversion, ensuring a faster ROI**



**CA Conversion Service is cloud-based and guided for the entire migration**



**Competitive Solutions only automate the conversion step and rest is manual**

# Trends and Factors



## Business Economics

IT Buyer Priority: Simplify management and reduce cost of operations

“What is the most important drivers and requirements shaping your org’s overall IT strategy from today through 2020?”

**#3 answer: Create more standardized IT environments**



## Easy Adoption

*Hybrid multi-cloud, mobile, and IoT will drive demand for a new generation of unified management solutions. Real time end user, and end to end application performance analytics, and IT operations analytics will drive optimization.*



## Business Agility

“What is the most important drivers and requirements shaping your org’s overall IT strategy from today through 2020?”

**#1 answer: increase business agility**



## Security & Compliance

Governance, policies and controls must support old and new roles and resources.

What is the most important drivers and requirements shaping your org’s overall IT strategy from today through 2020?”

**#2 answer: Maintain/Improve security and compliance**



Source: IDC, July, 2016 - Market Analysis Perspective: *Enterprise System Management Software 2016*; Doc #US40938816

Source: IDC, July, 2016 - Enterprise Cloud and DevOps Management **Survey**, n=200 IT and DevOps decision makers



Questions?

Thank you.

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