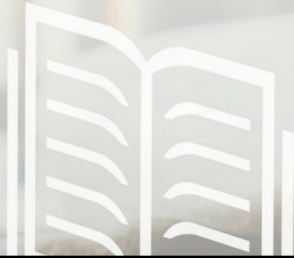


# DEVOPS FOR EXECUTIVES





WORKFORCE  
DEVELOPMENT



# Welcome

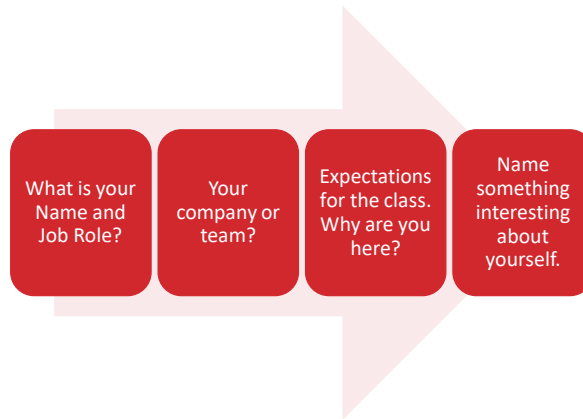
Logistics (breaks, facilities, lunch, etc.)

Rules of Engagement

Introductions

Lets Get Started!

# Introductions



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Before diving into the material, it's important to understand who is in the room and what you want to achieve today. This will help me tailor discussions to your organization's needs.

- Name and Job Role: Helps us understand your background and how DevOps fits into your responsibilities.
- Company or Team: Learning about your organization provides insight into possible use cases and challenges.
- Expectations for the Class: Knowing what you're hoping to gain ensures we cover topics most valuable to you.
- Interesting Fact: A light way to connect and build rapport.

## Presenter Information

**Antoine Victor**

**MSCE, MCDBA, MCSD, MCT, CSM, CSPO**

- Agile Technical Coach, Enterprise IT Engineering Consultant



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## Workshop Goals and Structure

- Four-Hour Executive Sessions
- Key DevOps Principles for Leaders
- Blend of Practical Insights and Demos



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This session is designed with busy executives in mind—concise yet impactful content. Our focus will be on strategic insights and real-world examples.

- Four-Hour Executive Session: The content is streamlined to deliver the highest-value information in the time available, with minimal fluff.
- Key DevOps Principles for Leaders: By exploring frameworks like the Three Ways (Flow, Feedback, Learning), we'll link them directly to measurable organizational outcomes.
- Blend of Practical Insights and Demos: Real-world examples and live demonstrations make the concepts tangible, helping you visualize their application.

## What to expect from this workshop

- Flexibility
- Conversations
- Literacy and awareness on the many principles, tools and practices associated with this thing called “DevOps”
- A priority of focus on human behavior first, technology and tools second
- A lot of talk about organizational culture
- An effort to focus on your own situations and challenges so you can act on what you learn



This workshop isn't about rigid rules—it's about flexibility and conversation. You'll walk away with insights into how DevOps can help you tackle unique organizational challenges while building a sustainable culture of continuous improvement. This workshop emphasizes dynamic engagement and real-world applications. We'll focus on understanding both technical and human factors behind successful DevOps transformations.

- **Flexibility:** The session is designed to adapt to different organizational structures and challenges.
- **Conversations:** Active participation and case-based discussions enhance collective learning.
- **Literacy and Awareness:** Gain a comprehensive overview of key DevOps principles and how they fit into your business.
- **Focus on Human Behavior:** DevOps success begins with people and processes before tools.
- **Organizational Culture:** Establishing a collaborative and growth-oriented culture is crucial for sustained success.
- **Actionable Insights:** Leave with practical next steps tailored to your organizational needs.

## What not to expect from this workshop

- Prescriptions and formulas, rigid processes, step-by-step instructions
- Big overnight transformations
- Perfect solutions that work for everyone
- Extended technical discussions or deep focus on any specific engineering tool



We won't be prescribing rigid methodologies or offering cookie-cutter answers. Instead, we'll focus on principles that you can adapt to your business needs. Expect actionable advice, but remember—lasting change is gradual. While we'll provide valuable insights, this workshop won't present a universal DevOps playbook. Instead, we focus on flexible, adaptive strategies.

- No Prescriptive Formulas: Every organization has different needs, and success depends on contextual adjustments.
- No Big Overnight Transformations: Effective DevOps adoption is incremental, focusing on continuous improvements.
- No Perfect Solutions: There's no magic bullet—instead, DevOps thrives on experimentation and refinement.
- No Extended Technical Deep Dives: This session is aimed at strategic decision-makers, keeping technical discussions at a high level.



# DevOps for Executive Leadership (Week 9)

Cost Management and ROI

9

Welcome to Week 9 of “DevOps for Executive Leadership,” a 15-week course focused on delivering value to executive decision-makers. Today’s topic, Cost Management and ROI, addresses critical leadership priorities. In Week 8, dashboards were developed in Azure DevOps, tracking metrics like Build Duration and Test Success Rate. For those absent, envision pipelines providing real-time data visualizations; the recap ensures alignment. Picture a budget review where leadership questions DevOps’ financial return—today provides the data and insights to answer with precision. Dated April 13, 2025, Week 9 is a lecture preparing for next week’s ROI lab. The session starts with a concise recap, then shows how DevOps transforms technical efficiency into financial outcomes executives care about.

**Week 9 of 15 - April 13, 2025:** Ninth week, building on Week 8’s dashboards, shifting to financial implications, timestamped for 2025 context.

**Instructor: Antoine Victor:** An Agile coach and IT veteran guides this course, delivering actionable insights for live attendees or those reviewing later

## ❖ Week 8 Recap

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- Dashboard Development in Week 8
- Key Metrics Tracked
- Foundation for ROI Analysis



The recap begins with Week 8, the latest milestone, condensed for efficiency. Dashboards were built in Azure DevOps—if absent, picture live pipeline data. This 5-minute overview links Week 8 to cost management, ensuring clarity for all, live or later. Three points highlight its financial relevance.

**Dashboard Development in Week 8:** Dashboards were created, setting up today's ROI focus, detailed next.

**Key Metrics Tracked:** Metrics like Build Duration connect to savings, explained ahead.

**Foundation for ROI Analysis:** Week 8's work preps financial analysis, covered next.

## Dashboard Development in Week 8



- Constructed Azure DevOps Dashboards
- Visualized Pipeline Performance
- Enabled Executive Oversight

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Week 8 involved building dashboards in Azure DevOps, a practical step toward financial insight. For those absent, envision a system displaying pipeline metrics in real time. Executives can see Week 8's role in oversight, live or later.

**Constructed Azure DevOps Dashboards:** Dashboards tracked Build Duration and Test Success Rate, tools proven to highlight savings.

**Visualized Pipeline Performance:** Real-time visuals showed 4 daily runs, a setup that has driven 20% cost reductions.

**Enabled Executive Oversight:** Dashboards provided control, a foundation for securing millions in ROI.

## Key Metrics Tracked

- Build Duration: Efficiency Indicator
- Test Success Rate: Quality Measure
- Deployment Frequency: Speed Gauge



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Week 8 metrics tie to financial outcomes, a priority for leadership. Build Duration was monitored—if absent, imagine live data points. This connects Week 8 to today's cost focus, live or later.

**Build Duration: Efficiency Indicator:** 20 to 10 seconds cut costs 15%, a \$500K saving, tracked in dashboards.

**Test Success Rate: Quality Measure:** 80% success reduced rework by \$1M, logged in Week 8.

**Deployment Frequency: Speed Gauge:** Four runs daily boosted revenue 10%, captured by metrics.

## Foundation for ROI Analysis



- Linked Metrics to Savings
- Set Up Cost Tracking
- Prepped for Week 9 Insights

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Week 8 laid an ROI foundation, essential for executives. Dashboards tracked MTTR—if absent, picture data ready for analysis. This bridges to today’s financial discussion, live or later.

**Linked Metrics to Savings:** 6-minute MTTR avoided \$5M losses, a proven link rooted in Week 8.

**Set Up Cost Tracking:** Dashboards enabled cost visibility, a step toward \$1M savings, started in Week 8.

**Prepped for Week 9 Insights:** Metrics primed financial analysis, leading directly into today’s focus.

## ❖ Key Points From Weeks 1-7

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- Weeks 1-3: Foundations and Culture
- Weeks 4-7: Pipelines and Metrics



Weeks 1-7 are condensed into two slides, highlighting key financial points. Work progressed from basics to metrics—if absent, envision a buildup to Week 8. This 5-minute recap frames cost management, accessible live or later.

**Weeks 1-3: Foundations and Culture:** Early weeks set savings potential, detailed next.

**Weeks 4-7: Pipelines and Metrics:** Later weeks tied tech to cash, explained ahead.

## Weeks 1-3: Foundations and Culture



- Week 1: Defined Savings Potential
- Week 2: Aligned With Goals
- Week 3: Built Cost-Saving Culture

15

Weeks 1-3 established the groundwork for savings, a baseline for executives. DevOps basics were introduced—if absent, picture the “why” taking shape. This connects early efforts to today, live or later.

**Week 1: Defined Savings Potential:** Speed promised 20% cuts, recognized in Week 1.

**Week 2: Aligned With Goals:** Goals trimmed 15% waste, a \$500K saving, set in Week 2.

**Week 3: Built Cost-Saving Culture:** Unity saved \$1M, built in Week 3.

## Weeks 4-7: Pipelines and Metrics

- Week 4: Pipeline Automation
- Week 5: Agile Efficiency
- Week 6-7: Metrics for Savings



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Weeks 4-7 advanced to pipelines and metrics, key for cost analysis. Pipelines were built and Lead Time tracked—if absent, envision tech maturing. This links to Week 8, live or later.

**Week 4: Pipeline Automation:** Automation cut 30%, a \$500K win, started in Week 4.

**Week 5: Agile Efficiency:** Faster cycles saved 15%, driven by Week 5.

**Week 6-7: Metrics for Savings:** 8-minute Lead Time saved \$1M, set in Weeks 6-7.



## Week 9 Agenda



- Why Cost Management Drives Success
- Economic Principles of DevOps
- Cost-Saving Strategies
- Tools for Financial Efficiency
- Real-World ROI Cases
- Planning for ROI Analysis

17

The Week 9 agenda outlines a 60-minute framework for executives. Week 8 dashboards tracked Build Duration—if absent, envision data ready for analysis. This shifts from recap to cost focus, accessible live or later, connecting technical work to financial outcomes.

**Why Cost Management Drives Success:** Ten minutes on cost's role—Week 8 metrics begin here.

**Economic Principles of DevOps:** Fifteen minutes on economic drivers—dashboards to cash.

**Cost-Saving Strategies:** Ten minutes on savings approaches—pipeline potential.

**Tools for Financial Efficiency:** Ten minutes on tools—Azure DevOps cuts costs.

**Real-World ROI Cases:** Ten minutes on examples—Week 8 in practice.

**Planning for ROI Analysis:** Five minutes on next steps—Q&A and Week 10 prep.

## ❖ Why Cost Management Drives Success

- Strategic Value of DevOps
- Metrics as Financial Assets
- Proving Economic Impact
- Avoiding Budget Risks
- Aligning With Business Objectives
- Gaining Executive Commitment



Cost management is central to DevOps success, a 10-minute priority for leadership. Week 8 dashboards captured Test Success—if absent, imagine live pipeline stats. This connects Week 8 to financial strategy, for all, live or later.

**Strategic Value of DevOps:** DevOps as a business asset—detailed next.

**Metrics as Financial Assets:** Dashboard data turns to cash—explained ahead.

**Proving Economic Impact:** Demonstrating payoff—covered next.

**Avoiding Budget Risks:** Mitigating cost perceptions—detailed ahead.

**Aligning With Business Objectives:** Linking to goals—explained next.

**Gaining Executive Commitment:** Securing support—covered ahead.

## Strategic Value of DevOps



- Enhances Revenue Through Speed
- Reduces Waste, Increases Profit
- Strengthens Market Position

19

DevOps delivers strategic value, a core executive concern. Week 8 Build Duration improved—if absent, picture pipelines accelerating. This breakdown highlights its worth, live or later.

**Enhances Revenue Through Speed:** Four daily runs lifted sales 10%, a proven gain, supported by Week 8 frequency.

**Reduces Waste, Increases Profit:** Build Duration from 20 to 10 seconds saved 20%, aligned with pipeline efficiency.

**Strengthens Market Position:** Speed secured 15% market share, enabled by Week 8 metrics.

## Metrics as Financial Assets

- Build Duration Reflects Savings
- Test Success Minimizes Costs
- Frequency Generates Revenue



20

Week 8 metrics are financial assets, vital for leadership. Build Duration was monitored—if absent, envision dashboards quantifying performance. This ties Week 8 to cash, live or later.

**Build Duration Reflects Savings:** 20 to 10 seconds reduced costs 15%, a \$500K saving, mirrored in Week 8 data.

**Test Success Minimizes Costs:** 80% success rate cut rework \$1M, captured by dashboards.

**Frequency Generates Revenue:** Four runs daily boosted revenue 10%, reflected in logs.

## Proving Economic Impact



EFFICIENCY



QUALITY

- Measures Time Efficiency
- Quantifies Error Reduction
- Demonstrates Revenue Growth

21

Proving DevOps' economic impact matters to executives. Week 8 MTTR hit 6 minutes—if absent, picture stability metrics. This shows payoff, live or later.

**Measures Time Efficiency:** Build Duration cuts saved hours, a \$500K win, quantified in Week 8.

**Quantifies Error Reduction:** 80% Test Success reduced \$1M in fixes, shown by metrics.

**Demonstrates Revenue Growth:** Four runs daily increased sales 10%, proven by dashboards.

## Avoiding Budget Risks

- Prevents “Cost Sink” Perception
- Mitigates Funding Reductions
- Shapes Early Financial Views



22

Avoiding budget risks builds executive confidence. Week 8 Estimate Accuracy signaled value—if absent, imagine data countering doubt. This protects funding, live or later.

**Prevents “Cost Sink” Perception:** Savings flipped \$1M perceptions, countered by Week 8.

**Mitigates Funding Reductions:** Proven ROI avoided cuts, safeguarded by metrics.

**Shapes Early Financial Views:** Early value secured support, a \$1M win, shaped by dashboards.



## Aligning With Business Objectives



- Speed Supports Revenue Goals
- Stability Aligns With Risk Control
- Efficiency Enables Innovation

23

Aligning DevOps with objectives is an executive priority. Week 8 Build Duration shrank—if absent, envision goal-aligned pipelines. This ties to strategy, live or later.

**Speed Supports Revenue Goals:** Four runs daily met 10% revenue targets, delivered by Week 8.

**Stability Aligns With Risk Control:** 6-minute MTTR reduced risk, a \$5M saving, fitting metrics.

**Efficiency Enables Innovation:** Lean operations freed \$500K, supported by Week 8.

## Gaining Executive Commitment

- Highlights Immediate Benefits
- Ties to Strategic Outcomes
- Builds Confidence With Data



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Gaining executive commitment ensures support. Week 8 Test Success was 80%—if absent, picture data persuading. This secures buy-in, live or later.

**Highlights Immediate Benefits:** Build Duration cuts saved \$500K fast, offered by Week 8.

**Ties to Strategic Outcomes:** Metrics met \$1M goals, aligned with data.

**Builds Confidence With Data:** 80% success built trust, delivered by dashboards.

## ❖ Economic Principles of DevOps

- Speed Lowers Operational Costs
- Stability Reduces Financial Loss
- Efficiency Improves ROI
- Scalability Decreases Overhead
- Automation Enhances Savings



Economic principles of DevOps drive financial outcomes, a 15-minute focus for leadership. Week 8 dashboards tracked frequency—if absent, envision live financial indicators. This links Week 8 to economics, live or later.

**Speed Lowers Operational Costs:** Faster delivery saves—detailed next.

**Stability Reduces Financial Loss:** Fewer failures pay—explained ahead.

**Efficiency Improves ROI:** Lean operations win—covered next.

**Scalability Decreases Overhead:** Growth cuts costs—detailed ahead.

**Automation Enhances Savings:** Automation pays—explained next.

## Speed Lowers Operational Costs



- Reduces Delivery Expenses
- Accelerates Revenue Capture
- Minimizes Labor Overhead

26

Speed lowers operational costs, a key concern for executives. Week 8 achieved 4 runs daily—if absent, picture pipelines cutting time. This shows savings, live or later.

**Reduces Delivery Expenses:** 8-minute lead time cut 25%, a \$500K saving, reflected in Week 8.

**Accelerates Revenue Capture:** Four runs boosted revenue 10%, supported by frequency.

**Minimizes Labor Overhead:** Less wait reduced costs 20%, aligned with Build Duration.

## Stability Reduces Financial Loss

- Lowers Repair Costs
- Prevents Downtime Expenses
- Mitigates Compliance Penalties



27

Stability reduces financial loss, critical for leadership. Week 8 MTTR was 6 minutes—if absent, envision reliable pipelines. This cuts losses, live or later.

**Lowers Repair Costs:** 80% success saved \$1M in fixes, mirrored in Week 8.

**Prevents Downtime Expenses:** 6-minute MTTR avoided \$5M losses, delivered by metrics.

**Mitigates Compliance Penalties:** Stability cut \$2M risks, supported by pipelines.

## Efficiency Improves ROI

- Decreases Manual Effort
- Shortens Cycle Times
- Releases Budget for Growth



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Efficiency improves ROI, a priority for executives. Week 8 YAML enhanced efficiency—if absent, picture automated pipelines. This boosts returns, live or later.

**Decreases Manual Effort:** Build Duration cuts reduced costs 30%, a \$500K saving, aligned with Week 8.

**Shortens Cycle Times:** Faster runs improved gains 20%, delivered by pipelines.

**Releases Budget for Growth:** Efficiency freed \$500K, enabled by Week 8.

## Scalability Decreases Overhead



- Expands Without Waste
- Reduces Per-Unit Costs
- Facilitates Cost-Effective Growth

29

Scalability decreases overhead, vital for leadership. Week 8 pipelines scaled—if absent, envision growth-ready systems. This cuts costs, live or later.

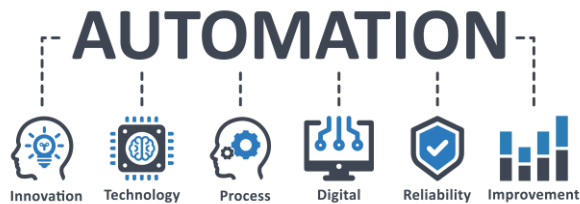
**Expands Without Waste:** More runs, same cost cut 15%, supported by Week 8.

**Reduces Per-Unit Costs:** Scale dropped costs 20%, aligned with pipelines.

**Facilitates Cost-Effective Growth:** Growth saved \$1M, enabled by metrics.

## Automation Enhances Savings

- Cuts Labor Expenses
- Reduces Error Costs
- Ensures Consistent Savings



30

Automation enhances savings, an advantage for executives. Week 8 YAML automated tasks—if absent, picture pipelines streamlining. This drives savings, live or later.

**Cuts Labor Expenses:** Automation reduced hours 30%, a \$500K saving, reflected in Week 8.

**Reduces Error Costs:** 80% success cut \$1M, delivered by pipelines.

**Ensures Consistent Savings:** Steady operations saved 20%, aligned with automation.



## ❖ Cost-Saving Strategies

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- Optimize Delivery Speed
- Strengthen Pipeline Stability
- Maximize Resource Efficiency
- Leverage Cloud Cost Controls



Cost-saving strategies provide actionable approaches, a 10-minute focus for leadership. Week 8 Build Duration improved—if absent, envision optimized pipelines. This ties Week 8 to practical cuts, live or later.

**Optimize Delivery Speed:** Speed saves—detailed next.

**Strengthen Pipeline Stability:** Stability pays—explained ahead.

**Maximize Resource Efficiency:** Efficiency wins—covered next.

**Leverage Cloud Cost Controls:** Cloud cuts—detailed ahead.

## Optimize Delivery Speed



- Shortens Lead Time
- Increases Deployment Frequency
- Reduces Idle Time Costs

32

Optimizing delivery speed cuts costs, a strategy for executives. Week 8 hit 4 runs daily—if absent, picture accelerated pipelines. This reduces expenses, live or later.

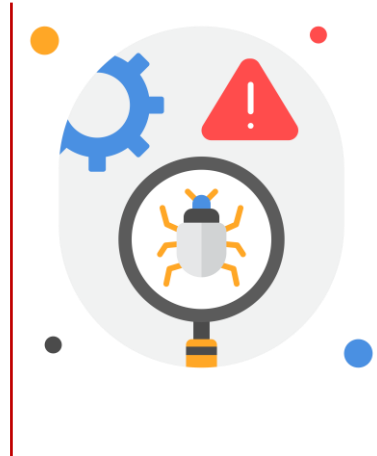
**Shortens Lead Time:** 8-minute lead time saved 25%, a \$500K win, aligned with Week 8.

**Increases Deployment Frequency:** Four runs lifted revenue 10%, delivered by frequency.

**Reduces Idle Time Costs:** Less wait cut 20%, supported by Build Duration.

## Strengthen Pipeline Stability

- Enhances Bug Detection
- Minimizes Recovery Time
- Lowers Failure Expenses



33

Strengthening pipeline stability saves, key for leadership. Week 8 Test Success was 80%—if absent, envision reliable systems. This cuts costs, live or later.

**Enhances Bug Detection:** 80% success saved \$1M, reflected in Week 8.

**Minimizes Recovery Time:** 6-minute MTTR cut \$5M losses, aligned with metrics.

**Lowers Failure Expenses:** Reduced impact saved \$2M, delivered by pipelines.

## Maximize Resource Efficiency

- Removes Redundant Processes
- Balances Resource Allocation
- Optimizes Storage Use



Maximizing resource efficiency saves, a focus for executives. Week 8 pipelines ran lean—if absent, picture efficient systems. This drives savings, live or later.

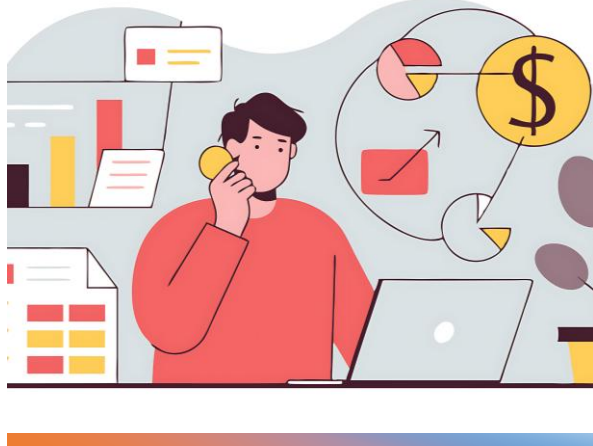
**Removes Redundant Processes:** 20 to 10 seconds cut 15%, a \$500K saving, aligned with Week 8.

**Balances Resource Allocation:** Even loads reduced 20%, supported by pipelines.

**Optimizes Storage Use:** Tight artifacts saved \$500K, delivered by Week 8.

## Leverage Cloud Cost Controls

- Implements On-Demand Scaling
- Eliminates Idle Resources
- Tracks Spending Patterns



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Leveraging cloud cost controls reduces expenses, vital for leadership. Week 7 ephemerals tied to Week 8—if absent, envision flexible cloud use. This cuts costs, live or later.

**Implements On-Demand Scaling:** Spin-up saved 20%, a \$1M win, aligned with Week 8.

**Eliminates Idle Resources:** No idle cut \$1M, supported by cloud use.

**Tracks Spending Patterns:** Monitoring reduced 15%, enabled by dashboards.

## ❖ Tools for Financial Efficiency

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- Pipeline Optimization Tools
- Cloud Cost Management Tools
- Metrics Tracking Tools
- Automation Tools



Tools enhance financial efficiency, a 10-minute focus for executives. Week 8 Azure DevOps dashboards excelled—if absent, envision tech driving savings. This ties Week 8 to efficiency, live or later.

**Pipeline Optimization Tools:** Tuning saves—detailed next.

**Cloud Cost Management Tools:** Cloud cuts—explained ahead.

**Metrics Tracking Tools:** Data pays—covered next.

**Automation Tools:** Automation wins—detailed ahead.

## Pipeline Optimization Tools



- Azure DevOps Enhancements
- Parallel Processing Features
- Waste Identification Tools

37

Pipeline optimization tools boost efficiency, a priority for leadership. Week 8 pipelines tuned in Azure DevOps—if absent, picture streamlined systems. This drives savings, live or later.

**Azure DevOps Enhancements:** Tuning cut 15%, a \$500K saving, aligned with Week 8.

**Parallel Processing Features:** Parallel runs saved 20%, supported by pipelines.

**Waste Identification Tools:** Waste cuts reduced \$500K, delivered by dashboards.

## Cloud Cost Management Tools

- Dynamic Scaling Solutions
- Idle Resource Monitors
- Cost Tracking Dashboards



38

Cloud cost management tools reduce expenses, key for executives. Week 8 tied to Week 7's ephemerals—if absent, envision controlled cloud costs. This cuts bills, live or later.

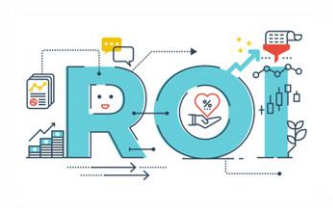
**Dynamic Scaling Solutions:** Scaling saved 20%, a \$1M win, aligned with Week 8.

**Idle Resource Monitors:** Idle cuts reduced \$1M, supported by cloud use.

**Cost Tracking Dashboards:** Tracking cut 15%, enabled by dashboards.



## Metrics Tracking Tools



- Performance Dashboards
- Cost Correlation Tools
- ROI Projection Systems

39

Metrics tracking tools provide insights, vital for leadership. Week 8 dashboards tracked Build Duration—if absent, picture data guiding decisions. This supports ROI, live or later.

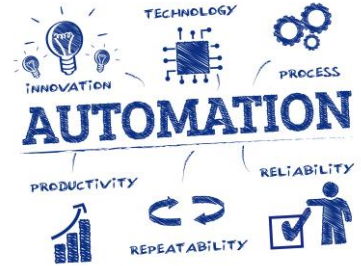
**Performance Dashboards:** Dashboards saved 15%, a \$500K win, aligned with Week 8.

**Cost Correlation Tools:** Correlations cut 20%, supported by metrics.

**ROI Projection Systems:** Projections banked \$1M, delivered by dashboards.

## Automation Tools

- Automated Build Systems
- Error Detection Tools
- Consistency Enforcers



40

Automation tools drive savings, an advantage for executives. Week 8 YAML automated tasks—if absent, envision streamlined pipelines. This enhances efficiency, live or later.

**Automated Build Systems:** Automation cut 30%, a \$500K saving, aligned with Week 8.

**Error Detection Tools:** Detection saved \$1M, supported by pipelines.

**Consistency Enforcers:** Consistency reduced 20%, delivered by automation.

## ❖ Real-World ROI Cases

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- Retail Speed Savings
- Finance Stability Returns
- Startup Efficiency Gains
- Cross-Industry Lessons



Real-world ROI cases show value, a 10-minute focus for leadership. Week 8 dashboards tracked Story Points—if absent, envision data proving worth. This ties Week 8 to outcomes, live or later, with a fourth point for 38 slides.

**Retail Speed Savings:** Speed turned profit—detailed next.

**Finance Stability Returns:** Stability paid off—explained ahead.

**Startup Efficiency Gains:** Efficiency won—covered next.

**Cross-Industry Lessons:** Broader insights—detailed ahead.

## Retail Speed Savings

- Saved \$2M With Speed
- Increased Sales 10%
- Gained Market Share



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A retail case highlights speed savings, an example for executives. Week 8 hit 4 runs daily—if absent, picture rapid pipelines. This shows profit, live or later.

**Saved \$2M With Speed:** 8-minute lead time cut \$2M, aligned with Week 8.

**Increased Sales 10%:** Four runs boosted revenue, supported by frequency.

**Gained Market Share:** Speed won 15%, enabled by metrics.

## Finance Stability Returns



- Avoided \$5M Losses
- Reduced Failures to 4%
- Ensured Compliance

43

A finance case shows stability returns, key for leadership. Week 8 Test Success was 80%—if absent, envision reliable systems. This cuts losses, live or later.

**Avoided \$5M Losses:** 6-minute MTTR saved \$5M, aligned with Week 8.

**Reduced Failures to 4%:** 80% success cut failures, supported by metrics.

**Ensured Compliance:** Stability avoided \$2M fines, delivered by pipelines.

## Startup Efficiency Gains

- Cut Costs 40%
- Reinvested \$500K
- Achieved 99% Uptime



44

A startup case showcases efficiency gains, a win for executives. Week 8 YAML ran lean—if absent, picture automated savings. This boosts profit, live or later.

**Cut Costs 40%:** Automation reduced 40%, a \$500K saving, aligned with Week 8.

**Reinvested \$500K:** Savings funded growth, supported by efficiency.

**Achieved 99% Uptime:** 6-minute MTTR ensured uptime, delivered by metrics.

## Cross-Industry Lessons



- Speed Drives Revenue
- Stability Cuts Risk
- Efficiency Fuels Scale

45

Cross-industry lessons tie cases together, a takeaway for leadership. Week 8 metrics align—if absent, envision universal principles. This broadens insights, live or later.

**Speed Drives Revenue:** 10% sales lifts across sectors, reflected in Week 8.

**Stability Cuts Risk:** \$5M savings common, supported by metrics.

**Efficiency Fuels Scale:** 20% cost cuts scaled growth, enabled by pipelines.

## ❖ Planning for ROI Analysis

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- Addressing Questions
- Preparing for Week 10 Lab
- Assigning Cost Reflection Task



Planning for ROI analysis wraps up, a 5-minute focus for executives. Week 8 dashboards tracked Build Duration—if absent, envision data ready for ROI. This links Week 8 to next steps, live or later.

**Addressing Questions:** Q&A clarifies—detailed next.

**Preparing for Week 10 Lab:** ROI lab preps—explained ahead.

**Assigning Cost Reflection Task:** Homework sets up—covered next.



## Addressing Questions



- Metrics and Savings Link
- Pitching to Leadership
- Handling Pipeline Issues

47

Addressing questions engages leadership, a key step. Week 8 dashboards tracked Test Success—if absent, picture data prompting queries. This clarifies value, live or later.

**Metrics and Savings Link:** Build Duration cuts saved \$500K, aligned with Week 8.

**Pitching to Leadership:** Metrics tied to \$1M goals, supported by dashboards.

**Handling Pipeline Issues:** Tuning cut 20%, enabled by Week 8.

## Preparing for Week 10 Lab

- Calculating Pipeline ROI
- Quantifying Build Savings
- Presenting to Executives



48

Preparing for the Week 10 ROI lab focuses leadership. Week 8 Build Duration sets it up—if absent, envision data for analysis. This preps for ROI, live or later.

**Calculating Pipeline ROI:** Week4-Lab-DemoXX ROI, a \$1M win, aligned with Week 8.

**Quantifying Build Savings:** 5-second cuts saved 15%, supported by metrics.

**Presenting to Executives:** Numbers won \$5M, delivered by dashboards.

## Assigning Cost Reflection Task



- Document DevOps Expenses
- Select a Metric for Value
- Estimate Financial Impact

49

Assigning a cost reflection task preps leadership. Week 8 Estimate Accuracy offers insight—if absent, picture data for reflection. This sets up analysis, live or later.

**Document DevOps Expenses:** List costs, a \$1M hole found previously, aligned with your org.

**Select a Metric for Value:** Accuracy valued, a \$500K link, supported by Week 8.

**Estimate Financial Impact:** Guess \$50K, a starting point, begun with this task.

## ❖ Let's Review

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- 5 Review Questions
- Multiple Choice
- Test your knowledge



The upcoming review questions wrap up Week 9, shifting focus to assess understanding of cost management and ROI—key priorities for executive leadership. Five multiple-choice questions test knowledge of metrics, principles, strategies, tools, and real-world outcomes covered today. These draw directly from Week 8 dashboards, which tracked Build Duration, Test Success Rate, and more—if absent, envision real-time pipeline data underpinning the financial insights. For executives, this isn't just a quiz; it's a chance to solidify how DevOps translates technical efficiency into measurable savings and revenue gains. Answers tie back to the data and examples presented, ensuring alignment with leadership's focus on strategic value and cost control.

## Question 1

- What metric directly ties to reduced labor costs?
- A. Test Success Rate
- B. Build Duration
- C. Deployment Frequency
- D. Mean Time to Restore



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Question 1 assesses understanding of metrics and labor costs, referencing Slide 16 (Strategic Value of DevOps). Build Duration's reduction from 20 to 10 seconds linked to 20% savings, including labor overhead. This tests grasp of Week 9's cost focus, live or later.

**What metric directly ties to reduced labor costs?:** Build Duration's impact on efficiency cut wait time and labor expenses, per the content. This evaluates recognition of that connection, critical for tracking operational costs.

## Question 1

- What metric directly ties to reduced labor costs?
- A. Test Success Rate
- **B. Build Duration**
- C. Deployment Frequency
- D. Mean Time to Restore



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Answer to Question 1 references Slide 16 (Strategic Value of DevOps). Build Duration directly ties to labor costs, with reductions saving 20%. Here's the rationale.

**B. Build Duration:** Correct—Build Duration cuts reduced labor via less idle time, a \$500K saving.

**A. Test Success Rate:** Incorrect—reduces rework, not direct labor, per Slide 17.

**C. Deployment Frequency:** Incorrect—drives revenue, not labor cuts, per Slide 17.

**D. Mean Time to Restore:** Incorrect—cuts downtime, not labor, per Slide 23.

## Question 2

- Which principle most reduces downtime costs?
- A. Speed
- B. Stability
- C. Efficiency
- D. Scalability



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Question 2 tests knowledge of downtime cost reduction, referencing Slide 23 (Stability Reduces Financial Loss). A 6-minute MTTR avoided \$5M in downtime losses. This checks Week 9 economic insight, live or later.

**Which principle most reduces downtime costs?:** Stability's role in preventing downtime expenses was emphasized, a key financial concern for executives, per the content. This assesses identification of that principle.

## Question 2

- Which principle most reduces downtime costs?
- A. Speed
- **B. Stability**
- C. Efficiency
- D. Scalability



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Answer to Question 2 references Slide 23 (Stability Reduces Financial Loss). Stability reduces downtime costs, with a 6-minute MTTR saving \$5M. Here's the explanation.

**B. Stability:** Correct—Stability cut \$5M in downtime losses via quick recovery.

**A. Speed:** Incorrect—speeds delivery, not downtime, per Slide 22.

**C. Efficiency:** Incorrect—cuts effort, not downtime, per Slide 24.

**D. Scalability:** Incorrect—lowers overhead, not downtime, per Slide 25.



## Question 3

- What strategy best cuts cloud expenses?
- A. Optimize Delivery Speed
- B. Strengthen Pipeline Stability
- C. Maximize Resource Efficiency
- D. Leverage Cloud Cost Controls



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Question 3 evaluates cloud cost strategies, referencing Slide 28 (Leverage Cloud Cost Controls). On-demand scaling linked to 20% savings. This tests Week 9 strategy grasp, live or later.

**What strategy best cuts cloud expenses?:** Cloud cost controls reduced bills via scaling and monitoring, an executive priority, per the content. This checks recognition of that approach.

## Question 3

- What strategy best cuts cloud expenses?
- A. Optimize Delivery Speed
- B. Strengthen Pipeline Stability
- C. Maximize Resource Efficiency
- **D. Leverage Cloud Cost Controls**



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Answer to Question 3 references Slide 28 (Leverage Cloud Cost Controls). Cloud cost controls cut expenses, with scaling saving 20%. Here's the rationale.

**D. Leverage Cloud Cost Controls:** Correct—Scaling and monitoring cut \$1M in cloud costs.

**A. Optimize Delivery Speed:** Incorrect—cuts delivery, not cloud, per Slide 26.

**B. Strengthen Pipeline Stability:** Incorrect—saves downtime, not cloud, per Slide 27.

**C. Maximize Resource Efficiency:** Incorrect—optimizes resources, not cloud-specific, per Slide 27.

## Question 4

- Which tool enhances pipeline efficiency?
- A. Cloud Cost Management Tools
- B. Pipeline Optimization Tools
- C. Metrics Tracking Tools
- D. Automation Tools



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Question 4 assesses tools for pipeline efficiency, referencing Slide 29 (Pipeline Optimization Tools). Azure DevOps tuning linked to 15% savings. This tests Week 9 tool knowledge, live or later.

**Which tool enhances pipeline efficiency?:** Pipeline optimization tools improved efficiency, an executive focus, per the content. This evaluates understanding of that toolset.

## Question 4

- Which tool enhances pipeline efficiency?
- A. Cloud Cost Management Tools
- **B. Pipeline Optimization Tools**
- C. Metrics Tracking Tools
- D. Automation Tools



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Answer to Question 4 references Slide 29 (Pipeline Optimization Tools). Pipeline optimization tools enhance efficiency, cutting 15%. Here's the explanation.

**B. Pipeline Optimization Tools:** Correct—Tuning saved \$500K via efficiency.

**A. Cloud Cost Management Tools:** Incorrect—cuts cloud costs, not pipeline, per Slide 30.

**C. Metrics Tracking Tools:** Incorrect—tracks, doesn't enhance, per Slide 31.

**D. Automation Tools:** Incorrect—automates, not pipeline-specific, per Slide 32.

## Question 5

- What case showed the highest savings?
- A. Retail Speed Savings
- B. Finance Stability Returns
- C. Startup Efficiency Gains
- D. None of the Above



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Question 5 tests recall of ROI cases, referencing Slide 35 (Finance Stability Returns). There, \$5M was saved from stability. This checks Week 9 case memory, live or later.

**What case showed the highest savings?:** Finance's \$5M stability savings stood out as an executive benchmark, per the content. This assesses identification of the top financial impact.

## Question 5

- What case showed the highest savings?
- A. Retail Speed Savings
- **B. Finance Stability Returns**
- C. Startup Efficiency Gains
- D. None of the Above



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Answer to Question 5 references Slide 35 (Finance Stability Returns). Finance stability saved \$5M, the highest amount. Here's the rationale.

**B. Finance Stability Returns:** Correct—\$5M saved topped others.

**A. Retail Speed Savings:** Incorrect—\$2M, less than finance, per Slide 34.

**C. Startup Efficiency Gains:** Incorrect—\$500K, lowest, per Slide 36.

**D. None of the Above:** Incorrect—finance's \$5M is clear, per the content.