

DEVOPS FOR EXECUTIVES



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WORKFORCE DEVELOPMENT



Welcome

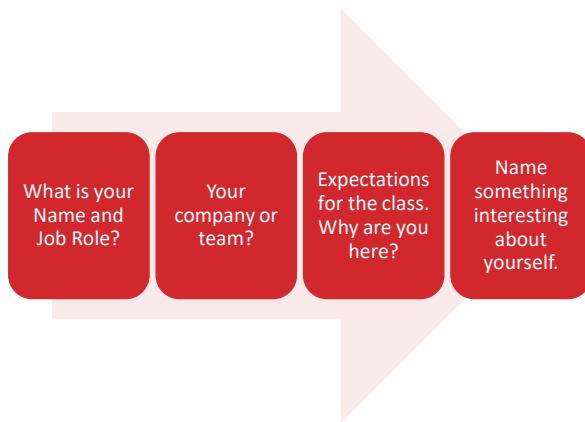
Logistics (breaks, facilities, lunch, etc.)

Rules of Engagement

Introductions

Lets Get Started!

Introductions

- 
- What is your Name and Job Role?
 - Your company or team?
 - Expectations for the class. Why are you here?
 - Name something interesting about yourself.

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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



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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 11

Challenges and Risks

DevOps for Executive Leadership: Challenges and Risks

- Week 11 of 15 - April 27, 2025
- Instructor: Antoine Victor

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Week 11 of the 15-week “DevOps for Executive Leadership” course, dated April 27, 2025, tackles DevOps adoption risks. This lecture, part of the “Challenges and Risks” module, uses Week 8 dashboards—10-second builds, 6-minute MTTR—to highlight pitfalls and solutions, prepping for Week 12’s lab. No lab today (labs: Weeks 4, 8, 12); expect a scenario-based discussion. Stakeholders, this ensures you can protect profits, live or later.

Week 11 of 15 - April 27, 2025: This lecture addresses hurdles like silos and security gaps, building on Week 10’s value proposition to prepare for Week 12’s lab. Week 8 metrics, like \$5M downtime savings, show risks threatening 400% ROI, critical for executives safeguarding strategy.

❖ Week 10 Recap

- Cost Management and ROI
- Innovation and Advantage
- Delivering Value



Week 10 recapped DevOps' financial and strategic wins, setting up today's risk focus. Week 8 dashboards—10-second builds, 80% Test Success—anchor this 5-minute overview for stakeholders.

Cost Management and ROI: Week 10 showed \$1M DevOps spending yielding \$5M gains, with Week 8's 20 to 10-second builds saving \$500K (15% overhead) and 6-minute MTTR avoiding \$5M downtime (finance case). This 400% ROI proves value, but risks like resistance can cut these profits, demanding today's focus.

Innovation and Advantage: Week 8's 4 daily deployments drove 10% revenue (\$2M, retail case), gaining 15% market share by outpacing rivals. This speed fuels growth, but legacy systems or silos, as we'll explore, can stall innovation, threatening stakeholders' market edge.

Delivering Value: Week 8's 80% Test Success cut \$1M rework, and 99% uptime (MTTR) aligned with KPIs like reliability (Week 10). These wins support profit goals, but compliance or cultural pitfalls can erode quality, making risk management critical for executives.

Cost Management and ROI



- DevOps Economics
- Cost-Saving Metrics
- Case Studies

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Week 10's cost management and ROI focus proved DevOps' financial edge. Week 8 data highlights what's at stake for stakeholders today.

DevOps Economics: Week 10 showed \$1M spent on DevOps yielding \$5M, with Week 8's 6-minute MTTR dodging downtime and automation cutting 25% ops costs. This proves DevOps drives profit, but cultural resistance or security gaps, as we'll see, can bloat costs or slash returns, worrying executives.

Cost-Saving Metrics: Week 8's 20 to 10-second builds saved \$500K labor, and 80% Test Success cut \$1M rework. These \$1.5M savings show efficiency, but legacy systems or poor tools, discussed today, can delay these wins, frustrating stakeholders tracking budgets.

Case Studies: Finance's \$5M stability savings and retail's \$2M from 4 daily runs (Week 8) hit 400% ROI (Week 10). These ground DevOps' value, but compliance failures costing \$2M in fines can undermine success, making today's risk strategies vital for executives.

Innovation and Advantage

- Speed to Market
- Competitive Edge
- Innovation Examples



Week 10's innovation focus showed DevOps as a growth engine. Week 8's speed metrics frame risks stakeholders face today.

Speed to Market: Week 8's 4 daily deployments cut lead time to 8 minutes, driving 10% revenue (\$2M, Week 10 retail). This 25% faster delivery meets demand, but legacy systems slowing runs, as we'll discuss, can stall sales, a concern for executives chasing growth.

Competitive Edge: Week 10's 15% market share gain from frequent releases (Week 8) outpaces rivals. This agility drives wins, but silos or breaches costing \$5M downtime can cede ground to competitors, a risk stakeholders must address to maintain market leadership.

Innovation Examples: Retail's \$2M from quick updates and a startup's 40% cost cut (Week 8 YAML) spark solutions. These need protection—security gaps or disconnects can stifle creativity, making today's collaboration and risk fixes critical for executives' innovation goals.

Delivering Value



- Quality Releases
- Business Goal Alignment
- KPI Success

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Week 10 tied DevOps to quality and profit. Week 8's reliability metrics show what's at risk for stakeholders in today's lecture.

Quality Releases: Week 8's 80% Test Success cut \$1M rework, ensuring stable software (Week 10). Quality builds trust, but security gaps risking \$2M fines or silos slowing pipelines can degrade releases, a pitfall executives must tackle to protect customer satisfaction.

Business Goal Alignment: Week 8's 4 daily runs boosted 10% revenue (\$2M, Week 10 retail), syncing with sales targets. This drives profit, but legacy tech or resistance slowing runs can misalign DevOps, making collaboration critical for stakeholders' strategic goals.

KPI Success: Week 8's 6-minute MTTR delivered 99% uptime, saving \$5M (Week 10 finance). These KPIs prove impact, but compliance failures or tool mismatches can undermine metrics, risking stakeholder confidence and requiring today's risk management focus.

❖ Week 11 Agenda

- Why Challenges Matter
- Common Pitfalls
- Managing Risks
- Cross-Functional Collaboration
- Scenario-Based Discussion
- Next Steps for Week 12



This 60-minute lecture tackles DevOps risks, using Week 8's 10-second builds and \$5M MTTR savings to guide stakeholders, prepping for Week 12's lab (labs: Weeks 4, 8, 12).

Why Challenges Matter: Silos risk \$2M revenue (Week 8 runs, Week 10 retail). This 10-minute opener uses Week 8 metrics to show how pitfalls threaten ROI and growth, critical for executives protecting profits and strategy in DevOps adoption.

Common Pitfalls: Resistance and legacy tech risk \$1M rework (Week 8 Test Success). This 15-minute section details hurdles using Week 8 data, highlighting cost and speed impacts that stakeholders must address to avoid derailing DevOps value.

Managing Risks: Security and governance save \$2M fines (Week 10 finance). This 10-minute dive uses Week 8's 80% Test Success to outline strategies, ensuring executives shield DevOps from breaches or compliance hits threatening financial wins.

Cross-Functional Collaboration: Teamwork drives \$500K build savings (Week 8). This 10-minute focus uses Week 8 data to show how breaking silos boosts revenue, a must for stakeholders aligning teams to maximize DevOps' strategic impact.

Scenario-Based Discussion: Scenarios test fixes for \$5M risks (Week 8 MTTR). This 10-minute activity uses Week 8 metrics to simulate hurdles, helping executives craft solutions for cultural and security challenges, sharpening leadership for Week 12.

Next Steps for Week 12: Prep for Week 12's lab with Week 8 data. This 5-minute wrap assigns tasks to tackle risks like legacy costs, ensuring stakeholders are ready to test solutions hands-on, protecting DevOps' profits and reliability.

❖ Why Challenges Matter

- Impact on ROI
- Risks to Business Goals
- Barriers to Innovation
- Stakeholder Confidence



In every
CHALLENGE
—LIES AN—
Opportunity

Challenges hit stakeholder priorities, risking DevOps' value. Week 8's \$5M MTTR savings frame this 10-minute opener, showing what's at stake.

Impact on ROI: Silos slow 4 daily runs, risking \$2M revenue (Week 8, Week 10 retail), and legacy systems add \$1M costs (Week 9), cutting 400% ROI to 200%. Week 8's 10-second builds saved \$500K, but pitfalls erode gains, demanding fixes for executives tracking profits.

Risks to Business Goals: Legacy tech blocks 4 daily runs, delaying \$2M sales (Week 10 retail), and weak security spikes MTTR, risking \$5M downtime (Week 8, Week 10 finance). These threaten revenue and reliability, requiring risk management for stakeholders' strategic goals.

Barriers to Innovation: Silos stall 80% Test Success, cutting \$1M rework (Week 8), and security fears block solutions, unlike Week 10's 40% cost-cut startup. These slow experimentation, critical for executives driving market-leading innovation through DevOps.

Stakeholder Confidence: Compliance failures cost \$2M fines (Week 10 finance), and

delayed builds (Week 8) shake trust. Week 8's \$5M stability needs protection—pitfalls like resistance erode buy-in, making today's strategies vital for executives' confidence.

Impact on ROI



- Delayed Savings
- Increased Costs
- Reduced Returns

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Pitfalls crush ROI, a stakeholder budget killer. Week 8's metrics show how risks erode DevOps' financial wins, critical for today.

Delayed Savings: Resistance keeps builds at 20 seconds, stalling \$500K labor savings (Week 8 logs). Teams fearing automation delay Week 8's 15% overhead cut, cutting efficiency that executives expect from Week 10's 400% ROI, requiring cultural fixes to restore profits.

Increased Costs: Legacy systems need \$1M to integrate (Week 9), unlike 80% Test Success saving \$1M (Week 8). Old tech bloats budgets, diverting funds from growth, a red flag for stakeholders tracking DevOps' cost-efficiency to justify \$1M investments.

Reduced Returns: Breaches cost \$2M fines (Week 10 finance), dropping 400% ROI to 200%. Weak compliance, unlike Week 8's 6-minute MTTR saving \$5M, shrinks gains, frustrating executives banking on DevOps' high returns to drive strategic financial wins.

Risks to Business Goals

- Revenue Delays
- Reliability Gaps
- Market Share Loss



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Challenges threaten stakeholder goals like revenue and reliability. Week 8's data highlights risks derailing DevOps' strategic wins.

Revenue Delays: Legacy limits 4 daily runs (Week 8), cutting \$2M revenue (Week 10 retail). Slow pipelines delay features, stalling 10% sales growth, a critical miss for executives expecting DevOps to drive top-line results in competitive, fast-moving markets.

Reliability Gaps: Silos raise MTTR to 60 minutes, risking \$5M downtime (Week 8, Week 10 finance). Poor coordination undermines Week 8's 99% uptime, eroding trust and stability, which stakeholders prioritize for brand reputation and operational success.

Market Share Loss: Security lapses delay releases, costing 15% share (Week 10 retail). Unlike Week 8's 4 daily runs outpacing rivals, breaches let competitors win, a strategic failure for executives banking on DevOps' speed to maintain market leadership.



Barriers to Innovation

- Slow Experimentation
- Resource Drain
- Stifled Creativity

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Pitfalls block innovation, a stakeholder growth driver. Week 8's metrics show how hurdles stifle DevOps' creative edge, needing fixes.

Slow Experimentation: Silos block 4 daily runs (Week 8), stalling \$2M revenue features (Week 10 retail). Resistance slows product trials, unlike Week 10's retail 10% sales, frustrating executives seeking DevOps' agility to drive market innovation and customer wins.

Resource Drain: Legacy fixes cost \$1M (Week 9), diverting funds from innovation. Unlike Week 8's \$500K build savings, old tech eats budgets, limiting new solutions, a barrier for stakeholders expecting DevOps to fuel strategic bets and competitive growth.

Stifled Creativity: Security fears halt pipelines, unlike Week 10's 40% cost-cut startup (Week 8 YAML). Risk-averse teams avoid bold ideas, blocking experimentation that executives rely on DevOps to deliver for differentiation and market-leading innovation.

Stakeholder Confidence

- Trust Erosion
- Compliance Failures
- Delayed Decisions



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Challenges shake stakeholder confidence, a leadership must. Week 8's data shows how risks undermine trust, critical for buy-in.

Trust Erosion: Silos spike MTTR to 60 minutes, risking \$5M downtime (Week 8, Week 10 finance). Unlike Week 8's 6-minute recovery, disconnects spark outages, shaking executive faith in DevOps' reliability, a core promise for stakeholders expecting stability.

Compliance Failures: Weak security skips 80% Test Success (Week 8), costing \$2M fines (Week 10 finance). Regulatory slips, unlike Week 8's audit wins, erode trust, alarming executives needing DevOps to meet legal standards without costly surprises.

Delayed Decisions: Legacy slows 10-second builds (Week 8), stalling \$500K savings. Upgrade uncertainty, unlike Week 10's clear ROI, freezes budgets, frustrating stakeholders who demand fast, data-driven calls to scale DevOps strategically and profitably.

❖ Common Pitfalls in Adoption

- Cultural Resistance
- Legacy System Challenges
- Security and Compliance Gaps
- Tool Misalignment



Pitfalls threaten stakeholder goals. Week 8's metrics highlight hurdles in this 15-minute dive, showing what executives must tackle.

Cultural Resistance: Silos cut 4 daily runs to 1, risking \$2M revenue (Week 8, Week 10 retail). Resistance slows Week 10's 10% growth, a barrier for executives needing shared workflows to drive market speed and ensure DevOps delivers profitable results.

Legacy System Challenges: Old tech blocks 80% Test Success, adding \$1M rework (Week 8, Week 9). Inflexible systems stall Week 8's \$500K savings, inflating costs and frustrating stakeholders tracking DevOps' efficiency to justify budget allocations.

Security and Compliance Gaps: Weak checks raise MTTR, costing \$5M downtime (Week 8, Week 10 finance). Skipped audits risk \$2M fines, threatening stakeholder trust and profits in regulated industries where DevOps must meet strict compliance standards.

Tool Misalignment: Wrong tools slow 10-second builds, cutting \$500K savings (Week 8, Week 9). Incompatible platforms disrupt automation, wasting budgets and delaying

Week 8's \$1M Test Success gains, a critical issue for stakeholders seeking lean ops.

Cultural Resistance



- Siloed Teams
- Change Aversion
- Lack of Buy-In

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Cultural resistance stalls DevOps, a stakeholder roadblock. Week 8's data shows how team dynamics hurt profits, needing fixes.

Siloed Teams: Dev-ops splits cut 4 daily runs, risking \$2M revenue (Week 8, Week 10 retail). Separate workflows block Week 10's 10% growth, frustrating executives needing unified teams to drive speed and deliver customer-facing results in competitive markets.

Change Aversion: Staff resist automation, keeping builds at 20 seconds, losing \$500K (Week 8). Fear stalls Week 8's 15% overhead cut, a hurdle executives must fix with training to unlock DevOps' efficiency and ensure profitable, streamlined operations.

Lack of Buy-In: Leaders doubt 80% Test Success, stalling \$1M savings (Week 8, Week 9). Without support, budgets falter, risking Week 10's 400% ROI, a trust gap executives need to bridge with metrics to scale DevOps strategically.

Legacy System Challenges

- Integration Costs
- Scalability Limits
- Maintenance Burdens



Legacy systems choke DevOps, a stakeholder budget drain. Week 8's metrics highlight tech hurdles inflating costs and slowing progress.

Integration Costs: Syncing legacy costs \$1M (Week 9), unlike 80% Test Success saving \$1M (Week 8). Old systems resist pipelines, bloating budgets and diverting funds from Week 10's innovation, a pain point for executives tracking DevOps' financial efficiency.

Scalability Limits: Legacy caps 4 daily runs, risking \$2M revenue (Week 8, Week 10 retail). Inflexible tech blocks Week 8's speed, limiting agility that executives expect from DevOps to scale operations and compete in fast-moving, growth-driven markets.

Maintenance Burdens: Patching legacy eats \$500K yearly, unlike \$5M MTTR savings (Week 8, Week 10 finance). Fixes drain resources, stalling strategic bets and frustrating executives needing DevOps to deliver lean, scalable operations without constant costs.

Security and Compliance Gaps

- Weak Security Practices
- Regulatory Failures
- Incident Costs



Security and compliance gaps risk DevOps, a stakeholder nightmare. Week 8's data shows how lapses threaten profits and trust.

Weak Security Practices: Poor checks spike MTTR to 60 minutes, costing \$5M downtime (Week 8, Week 10 finance). Unlike Week 8's 6-minute recovery, lax pipelines invite breaches, eroding executive confidence and profits where uptime is critical.

Regulatory Failures: Skipping 80% Test Success risks \$2M fines (Week 8, Week 10 finance). Weak compliance triggers penalties, unlike Week 8's audit wins, a concern for executives needing DevOps to meet legal standards without costly regulatory surprises.

Incident Costs: Hacks add \$1M cleanup, unlike \$500K build savings (Week 8). Breaches drain budgets and reputation, frustrating executives who expect DevOps to deliver secure systems, not emergencies that derail strategic goals and stakeholder trust.

Tool Misalignment



- Incompatible Platforms
- Automation Gaps
- Cost Overruns

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Tool misalignment derails DevOps, a stakeholder budget killer. Week 8's metrics show how poor tools waste money and delay value.

Incompatible Platforms: Wrong tools block 10-second builds, adding \$500K costs (Week 8, Week 9). Non-syncing systems disrupt Week 8's automation, frustrating executives needing seamless tech to deliver Week 10's 400% ROI and efficient operations.

Automation Gaps: Manual tests cut 80% Test Success to 50%, losing \$500K rework savings (Week 8). Weak tools stall Week 8's \$1M gains, a barrier for executives expecting DevOps to streamline ops without constant manual fixes eating budgets.

Cost Overruns: Misfit tools spike \$1M over budget, unlike \$5M MTTR gains (Week 8, Week 10 finance). Poor choices divert funds from growth, angering executives who demand lean DevOps deployments to maximize strategic returns and financial efficiency.

❖ Managing Risks

- Security Best Practices
- Governance Frameworks
- Compliance Strategies
- Risk Mitigation Plans



Managing risks protects DevOps, a stakeholder priority. Week 8's metrics guide this 10-minute dive, showing how to shield profits.

Security Best Practices: Automated checks maintain 80% Test Success, saving \$1M rework (Week 8). Unlike \$5M breach risks (Week 10 finance), tight security prevents hacks, ensuring executive confidence in DevOps' reliability in high-stakes, regulated industries.

Governance Frameworks: Policies ensure 10-second builds don't skip steps, saving \$500K (Week 8). Unlike \$2M fine risks (Week 10 finance), rules keep DevOps disciplined, a must for executives needing structured processes to protect budgets and compliance.

Compliance Strategies: Audits align with \$2M fine avoidance (Week 8, Week 10 finance). Unlike \$5M downtime risks, checks meet regs, saving penalties and satisfying executives who expect DevOps to operate legally without disrupting strategic goals.

Risk Mitigation Plans: Backups for 6-minute MTTR prevent \$5M downtime (Week 8,

Week 10 finance). Unlike \$1M hack costs, plans limit losses, ensuring executives trust DevOps to deliver stable, profitable systems even under pressure or unexpected crises.

Security Best Practices

- Automated Testing
- Access Controls
- Incident Response



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Security best practices safeguard DevOps, a stakeholder must. Week 8's data shows how to block threats and protect profits.

Automated Testing: 80% Test Success catches bugs, saving \$1M rework (Week 8). Unlike manual tests risking \$2M fines (Week 10 finance), automation ensures quality, critical for executives needing secure pipelines to maintain trust and avoid costly errors in operations.

Access Controls: Strict permissions for 4 daily runs prevent breaches, saving \$5M downtime (Week 8, Week 10 finance). Unlike weak systems, controls limit risks, ensuring executives that DevOps protects data in regulated environments with high-stakes operations.

Incident Response: 6-minute MTTR plans limit \$1M hack costs (Week 8). Unlike \$5M outages (Week 10 finance), fast recovery minimizes damage, reassuring executives that DevOps handles crises without derailing budgets or customer confidence in critical moments.

Governance Frameworks

- Policy Enforcement
- Audit Trails
- Accountability Measures



Governance frameworks keep DevOps tight, a stakeholder anchor. Week 8's metrics show how structure saves money and trust.

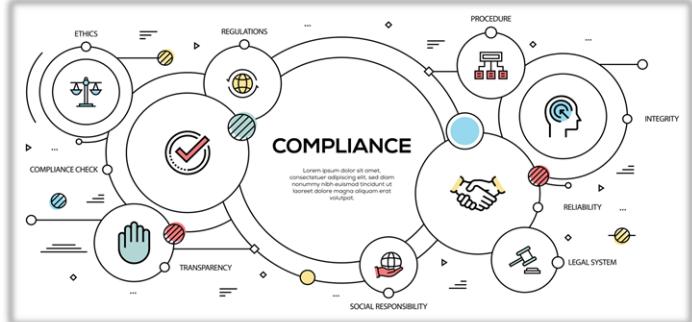
Policy Enforcement: Rules mandate 80% Test Success, saving \$1M rework (Week 8). Unlike \$2M fine risks (Week 10 finance), policies ensure discipline, critical for executives needing DevOps to run predictably without deviations or regulatory surprises eating budgets.

Audit Trails: Tracking 4 daily runs proves compliance, avoiding \$2M fines (Week 8, Week 10 finance). Unlike weak records, logs satisfy regulators, reassuring executives that DevOps meets legal standards, protecting profits and maintaining boardroom trust.

Accountability Measures: Clear roles for 6-minute MTTR save \$5M downtime (Week 8, Week 10 finance). Unlike chaos, defined duties ensure reliability, a must for executives expecting DevOps to deliver consistent, profitable outcomes without operational excuses.

Compliance Strategies

- Regulatory Alignment
- Proactive Audits
- Documentation Standards



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Compliance strategies shield DevOps, a stakeholder priority. Week 8's metrics show how to avoid fines and keep trust.

Regulatory Alignment: 80% Test Success catches issues, saving \$2M fines (Week 8, Week 10 finance). Unlike non-compliant systems, checks meet regs, critical for executives in regulated industries where DevOps must deliver legal wins without budget hits or penalties.

Proactive Audits: Checking 4 daily runs ensures compliance, cutting \$5M risks (Week 8, Week 10 finance). Unlike reactive fixes, audits prevent penalties, reassuring executives that DevOps stays ahead of regulators, protecting profits and strategic objectives.

Documentation Standards: Logs for 6-minute MTTR prove adherence, saving \$1M audit costs (Week 8). Unlike poor records, clear docs satisfy oversight, ensuring executives that DevOps meets standards, avoiding surprises that could shake investor or regulatory confidence.

Risk Mitigation Plans



- Backup Systems
- Failure Scenarios
- Continuous Monitoring

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Risk mitigation plans protect DevOps, a stakeholder lifeline. Week 8's metrics show how to limit losses and ensure stability.

Backup Systems: Redundancies for 4 daily runs save \$2M revenue (Week 8, Week 10 retail). Unlike failures, backups ensure uptime, critical for executives needing DevOps to deliver reliable customer-facing services without disruptions that cost sales or trust.

Failure Scenarios: Plans for 80% Test Success drops limit \$1M rework (Week 8). Unlike errors, tested scenarios cut losses, reassuring executives that DevOps handles setbacks without derailing budgets or strategic commitments in competitive markets.

Continuous Monitoring: Checks on 10-second builds avoid \$500K delays (Week 8). Unlike blind spots, monitoring catches issues, ensuring executives that DevOps stays stable, protecting \$5M downtime savings (Week 10 finance) and maintaining operational reliability.

❖ Cross-Functional Collaboration

- Breaking Silos
- Aligning Teams
- Communication Tools
- Shared Goals



Collaboration drives DevOps, a stakeholder must. Week 8's metrics show how teamwork boosts profits in this 10-minute focus.

Breaking Silos: Dev-ops integration hits 10-second builds, saving \$500K (Week 8). Unlike silos risking \$2M revenue (Week 10 retail), workflows speed pipelines, critical for executives needing teams to deliver fast, profitable results in competitive, growth-driven markets.

Aligning Teams: Shared KPIs for 80% Test Success cut \$1M rework (Week 8). Unlike misaligned goals, metrics unite dev-ops, ensuring executives that DevOps drives efficiency and reliability, aligning with Week 10's business goal priorities for strategic wins.

Communication Tools: Slack tracks 6-minute MTTR, saving \$5M downtime (Week 8, Week 10 finance). Unlike poor comms, tools boost coordination, a must for executives expecting DevOps to deliver stable systems through tight team integration and real-time updates.

Shared Goals: Revenue and uptime targets for 4 daily runs drive \$2M (Week 8, Week

10 retail). Unlike split priorities, unified goals align teams, ensuring executives that DevOps delivers 10% growth and 99% uptime, maximizing strategic value.

Breaking Silos



- Unified Workflows
- Cross-Team Training
- Joint Accountability

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Breaking silos unlocks DevOps, a stakeholder win. Week 8's metrics show how collaboration drives profits, needing focus.

Unified Workflows: Dev-ops pipelines hit 4 daily runs, boosting \$2M revenue (Week 8, Week 10 retail). Unlike silos slowing Week 10's 10% growth, shared processes deliver speed, critical for executives needing fast, customer-facing results to stay competitive and profitable.

Cross-Team Training: Shared skills for 80% Test Success save \$1M rework (Week 8). Unlike isolated teams, training bridges gaps, ensuring executives that DevOps delivers quality releases, avoiding errors that erode trust or inflate budgets in high-stakes projects.

Joint Accountability: Dev-ops own 6-minute MTTR, saving \$5M downtime (Week 8, Week 10 finance). Unlike blame games, shared duty ensures reliability, a must for executives expecting DevOps to deliver stable systems that protect revenue and customer confidence.

Aligning Teams

- Shared KPIs
- Role Clarity
- Incentive Structures



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Aligning teams powers DevOps, a stakeholder priority. Week 8's metrics show how unity drives value, critical for success.

Shared KPIs: Revenue and uptime targets for 4 daily runs drive \$2M (Week 8, Week 10 retail). Unlike split goals, unified metrics align dev-ops, ensuring executives that DevOps hits Week 10's 10% growth, delivering strategic wins in competitive markets.

Role Clarity: Clear duties for 10-second builds save \$500K (Week 8). Unlike confusion delaying pipelines, defined roles boost efficiency, critical for executives needing DevOps to deliver lean operations without wasting time or budgets on misaligned efforts.

Incentive Structures: Bonuses for 6-minute MTTR cut \$5M downtime (Week 8, Week 10 finance). Unlike weak motivation, rewards align teams, reassuring executives that DevOps drives reliability and profits, meeting Week 10's KPI success without costly disruptions.

Communication Tools



- Real-Time Platforms
- Transparent Reporting
- Feedback Loops

Communication tools glue DevOps, a stakeholder must. Week 8's metrics show how they drive profits and stability.

Real-Time Platforms: Slack tracks 4 daily runs, boosting \$2M revenue (Week 8, Week 10 retail). Unlike delayed comms, tools speed coordination, critical for executives needing DevOps to deliver fast, customer-facing results that drive Week 10's market share gains.

Transparent Reporting: Jira logs 80% Test Success, saving \$1M rework (Week 8). Unlike opaque systems, clear reports align teams, ensuring executives that DevOps delivers quality, avoiding errors that inflate budgets or erode trust in high-stakes projects.

Feedback Loops: Huddles for 10-second builds cut \$500K delays (Week 8). Unlike siloed teams, loops boost efficiency, a must for executives expecting DevOps to maintain Week 10's reliability and profits through tight, responsive team integration.

Shared Goals

- Revenue Targets
- Uptime Objectives
- Efficiency Gains



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Shared goals align DevOps, a stakeholder win. Week 8's metrics show how unity drives strategic value, a key focus.

Revenue Targets: 10% growth via 4 daily runs drives \$2M (Week 8, Week 10 retail). Unlike split priorities, unified targets align teams, ensuring executives that DevOps delivers Week 10's market wins, critical for staying competitive in fast-moving industries.

Uptime Objectives: 99% uptime via 6-minute MTTR saves \$5M (Week 8, Week 10 finance). Unlike instability, shared goals ensure reliability, a must for executives needing DevOps to protect customer trust and revenue without costly outages or disruptions.

Efficiency Gains: 80% Test Success cuts \$1M rework (Week 8). Unlike misaligned efforts, unified goals drive lean ops, reassuring executives that DevOps delivers Week 10's cost savings, maximizing margins and strategic value in budget-conscious environments.

❖ Scenario-Based Discussion

- Cultural Pushback
- Legacy System Issues
- Security Breach
- Collaboration Failure



This 10-minute scenario-based discussion tests stakeholder problem-solving. Week 8's metrics frame real-world fixes, sharpening leadership.

Cultural Pushback: Silos cut 4 daily runs, risking \$2M revenue (Week 8, Week 10 retail). Resistance slows Week 10's 10% growth—executives must align teams with training to restore speed, critical for delivering market wins and profitable results.

Legacy System Issues: Old tech blocks 80% Test Success, costing \$1M rework (Week 8, Week 9). Integration fails stall Week 8's \$500K savings—executives need migration plans to ensure DevOps delivers lean ops without budget-draining technical barriers.

Security Breach: Weak checks spike MTTR, costing \$5M downtime (Week 8, Week 10 finance). Breaches erode trust—executives must deploy audits to match Week 8's compliance, protecting profits and reputation in regulated, high-stakes industries.

Collaboration Failure: Dev-ops splits delay 10-second builds, cutting \$500K (Week 8). Poor teamwork slows Week 8's efficiency—executives need tools like Slack to align teams, ensuring DevOps delivers reliable, profitable results through tight integration.

Cultural Pushback

- Silos Slow Adoption
- Resistance to Automation
- Executive Alignment



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The cultural pushback scenario tests fixes for team friction. Week 8's metrics show how resistance hurts profits, needing solutions.

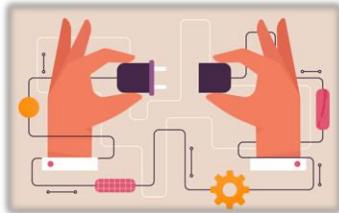
Silos Slow Adoption: Dev-ops splits cut 4 daily runs, risking \$2M revenue (Week 8, Week 10 retail). Silos block Week 10's 10% growth—executives need unified workflows via workshops to restore speed, critical for delivering market wins and customer-facing results.

Resistance to Automation: Staff stick to 20-second builds, losing \$500K (Week 8). Fear stalls Week 8's 15% overhead cut—executives need training to shift mindsets, ensuring DevOps delivers efficiency and profit without cultural drag slowing operations.

Executive Alignment: Leaders doubt 80% Test Success, stalling \$1M savings (Week 8, Week 9). Lack of buy-in risks Week 10's 400% ROI—executives must pitch metrics to secure support, critical for scaling DevOps and maintaining strategic trust.

Legacy System Issues

- Integration Barriers
- Costly Workarounds
- Modernization Plans



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The legacy system scenario tests tech fixes. Week 8's metrics show how old systems inflate costs, needing executive action.

Integration Barriers: Legacy blocks 80% Test Success, risking \$1M rework (Week 8, Week 9). Old tech stalls Week 8's \$500K savings—executives need phased integration to unlock efficiency, avoiding budget hits that frustrate ROI-focused stakeholders.

Costly Workarounds: Patching legacy costs \$1M (Week 9), unlike \$5M MTTR gains (Week 8, Week 10 finance). Fixes drain funds—executives must prioritize upgrades to cut costs, ensuring DevOps delivers lean ops without ongoing financial burdens.

Modernization Plans: Slow upgrades delay 4 daily runs, cutting \$2M revenue (Week 8, Week 10 retail). No strategy stalls Week 10's 10% growth—executives need roadmaps to modernize, ensuring DevOps scales and drives market agility for stakeholders.

Security Breach

- Weak Pipeline Checks
- Downtime Losses
- Recovery Strategies



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The security breach scenario tests crisis fixes. Week 8's metrics show how lapses hurt profits, needing executive plans.

Weak Pipeline Checks: Skipping 80% Test Success risks \$2M fines (Week 8, Week 10 finance). Lax checks invite breaches, unlike Week 8's compliance—executives need audits to protect trust, critical for stakeholders in regulated industries with high penalties.

Downtime Losses: MTTR spikes to 60 minutes, costing \$5M (Week 8, Week 10 finance). Unlike Week 8's 6-minute recovery, outages kill revenue—executives must deploy redundancies to ensure uptime, avoiding losses that erode confidence and profits.

Recovery Strategies: No plans for 4 daily runs add \$1M cleanup (Week 8). Unlike Week 8's response, weak strategies amplify damage—executives need protocols to limit costs, ensuring DevOps stays reliable for stakeholders under pressure.

Collaboration Failure

- Dev-Ops Disconnect
- Delayed Releases
- Communication Fixes



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The collaboration failure scenario tests teamwork fixes. Week 8's metrics show how splits hurt value, needing solutions.

Dev-Ops Disconnect: Silos slow 4 daily runs, risking \$2M revenue (Week 8, Week 10 retail). Disunity stalls Week 10's 10% growth—executives need shared workflows to align teams, ensuring DevOps delivers speed and profits for stakeholders.

Delayed Releases: Misaligned goals keep builds at 20 seconds, losing \$500K (Week 8). Unlike Week 8's efficiency, delays cut value—executives must clarify roles to hit targets, critical for delivering fast, reliable DevOps outputs to stakeholders.

Communication Fixes: No tools for 80% Test Success risk \$1M rework (Week 8). Unlike Week 8's coordination, poor comms slow progress—executives need Slack to boost teamwork, ensuring DevOps delivers quality and savings for stakeholders.

❖ Next Steps for Week 12

- Review Challenges
- Prep for Week 12 Lab
- Action Items Assigned



Next steps prep stakeholders for Week 12's lab, a 5-minute wrap. Week 8's metrics guide tasks to tackle risks, ensuring readiness.

Review Challenges: Lock in silos risking \$2M revenue (Week 8, Week 10 retail). Revisit Week 8's 80% Test Success to confirm hurdles—executives need clarity to test fixes in Week 12's lab, protecting DevOps' strategic and financial value for stakeholders.

Prep for Week 12 Lab: Use Week 8's 10-second builds and \$5M MTTR savings to simulate risk solutions. Plan scenarios like breaches or legacy blocks—executives must test fixes to ensure DevOps delivers Week 10's 400% ROI without disruptions.

Action Items Assigned: Map fixes for 6-minute MTTR (Week 8), like audits saving \$2M fines (Week 10 finance). Plan legacy upgrades (\$1M, Week 9)—executives need tasks to align teams, ensuring Week 12's lab secures DevOps' profits and trust.

Review Challenges



- Confirm Pitfalls
- Validate Risks
- Discuss Solutions

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Reviewing challenges preps stakeholders for Week 12's lab. Week 8's metrics clarify hurdles, ensuring executives are ready.

Confirm Pitfalls: Silos slow 4 daily runs, risking \$2M (Week 8, Week 10 retail), and legacy blocks 80% Test Success (\$1M, Week 8). Revisit to lock in hurdles—executives need clarity for Week 12's lab to address barriers protecting DevOps' profits.

Validate Risks: Weak security risks \$2M fines (Week 10 finance), and misaligned tools cut \$500K (Week 8 builds). Confirm with Week 8 data—executives must understand threats to \$5M savings, ensuring lab solutions target real financial impacts.

Discuss Solutions: Training for silos and audits for security save \$1M (Week 8). Brainstorm fixes using Week 8 metrics—executives need strategies for Week 12's lab to align teams and secure pipelines, maintaining Week 10's ROI and reliability.

Prep for Week 12 Lab

- Gather Week 8 Data
- Plan Risk Scenarios
- Set Lab Goals



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Prepping for Week 12's lab equips stakeholders. Week 8's metrics guide hands-on plans, ensuring executives test fixes.

Gather Week 8 Data: Collect Build Duration (20 to 10 seconds, \$500K), Test Success (80%, \$1M), MTTR (6 minutes, \$5M) from Week 8 logs. These fuel lab scenarios—executives need data to simulate risks like silos or breaches, protecting DevOps' value.

Plan Risk Scenarios: Test silos cutting 4 daily runs (\$2M, Week 10 retail) or security gaps costing \$2M (Week 10 finance). Use Week 8 data to craft fixes—executives must simulate solutions in Week 12's lab to ensure DevOps delivers ROI.

Set Lab Goals: Solve resistance, secure pipelines, save \$5M (Week 8 MTTR). Goals align with Week 10's 400% ROI—executives need targets for Week 12's lab to protect revenue, reliability, and trust through effective risk management strategies.

Action Items Assigned



- Map Cultural Fixes
- Plan Legacy Upgrades
- Draft Security Policies

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Action items focus stakeholders for Week 12's lab. Week 8's metrics assign tasks to tackle risks, ensuring readiness.

Map Cultural Fixes: Plan workshops for 4 daily runs, targeting \$2M revenue (Week 8, Week 10 retail). Silos block Week 10's growth—executives need strategies for Week 12's lab to align teams, ensuring DevOps delivers speed and market wins.

Plan Legacy Upgrades: Draft a \$1M roadmap for 80% Test Success (Week 8, Week 9). Old tech risks rework—executives must outline upgrades for Week 12's lab to cut costs, ensuring DevOps delivers efficiency without budget-draining barriers.

Draft Security Policies: Write audits for 6-minute MTTR, saving \$2M fines (Week 8, Week 10 finance). Weak checks threaten trust—executives need policies for Week 12's lab to secure pipelines, protecting DevOps' reliability and profits in regulated industries.

❖ Let's Review

- 5 Review Questions
- Multiple Choice
- Test Your Knowledge



Review questions wrap Week 11, testing stakeholder grasp of risks. Week 8's metrics frame this quiz, ensuring lab readiness.

5 Review Questions: Five multiple-choice questions test pitfalls and fixes, using Week 8's \$500K build savings and \$5M MTTR wins. Executives need to spot hurdles like silos to protect Week 10's ROI, ensuring they're ready for Week 12's lab challenges.

Multiple Choice: Questions use Week 8 data like 80% Test Success to offer clear options. This helps executives confirm knowledge of risks like \$2M fines, ensuring they can apply fixes in Week 12's lab to safeguard DevOps' strategic value.

Test Your Knowledge: The quiz checks cultural, tech, and security risks, per Week 8's 4 daily runs. Executives must prove they can navigate hurdles to maintain Week 10's profits and reliability, critical for leadership confidence and DevOps success.

Question 1

What's a common DevOps pitfall?

- A. Fast Deployments
- B. Cultural Resistance
- C. Automated Testing
- D. Shared KPIs



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Question 1 tests pitfall knowledge, referencing Slide 25 (Common Pitfalls). Week 8's metrics highlight hurdles for stakeholders.

What's a common DevOps pitfall?: Cultural resistance slows 4 daily runs, risking \$2M revenue (Week 8, Week 10 retail). Unlike fast deployments (Week 8's \$2M win), resistance stalls Week 10's growth—executives need to spot this for Week 12's lab, live or later.

Question 1 Answer

What's a common DevOps pitfall?

- A. Fast Deployments
- B. Cultural Resistance**
- C. Automated Testing
- D. Shared KPIs



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Answer to Question 1 references Slide 25 (Common Pitfalls). Cultural resistance is a pitfall, per Week 8 data.

- B. Cultural Resistance:** Correct—silos cut \$2M revenue (Week 8, Week 10 retail), stalling Week 10's 10% growth.
- A. Fast Deployments:** Incorrect—4 runs earn \$2M, per Slide 27.
- C. Automated Testing:** Incorrect—80% saves \$1M, per Slide 30.
- D. Shared KPIs:** Incorrect—align \$500K, per Slide 34.

Question 2

What risks \$5M in downtime?

- A. Security Gaps
- B. Revenue Growth
- C. Cost Savings
- D. Team Alignment



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Question 2 tests risk knowledge, referencing Slide 27 (Security and Compliance Gaps). Week 8's metrics highlight threats.

What risks \$5M in downtime?: Security gaps spike MTTR to 60 minutes, costing \$5M (Week 8, Week 10 finance). Unlike revenue growth (Week 8's \$2M), gaps threaten Week 10's reliability—executives must address this in Week 12's lab, live or later.

Question 2 Answer

What risks \$5M in downtime?

- A. Security Gaps
- B. Revenue Growth
- C. Cost Savings
- D. Team Alignment



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Answer to Question 2 references Slide 27 (Security and Compliance Gaps). Security gaps risk \$5M, per Week 8 data.

- A. Security Gaps:** Correct—MTTR spike costs \$5M (Week 8, Week 10 finance), unlike Week 8's 6-minute save.
- B. Revenue Growth:** Incorrect—\$2M gain, per Slide 27.
- C. Cost Savings:** Incorrect—\$500K win, per Slide 25.
- D. Team Alignment:** Incorrect—\$1M saved, per Slide 34.

Question 3

What fixes cultural resistance?

- A. Legacy Upgrades
- B. Cross-Team Training
- C. Cost Cutting
- D. Revenue Targets



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Question 3 tests solutions, referencing Slide 29 (Cultural Resistance). Week 8's metrics guide fixes for stakeholders.

What fixes cultural resistance?: Cross-team training aligns dev-ops for 80% Test Success, saving \$1M (Week 8). Unlike legacy upgrades (\$1M, Week 9), training bridges silos, restoring Week 10's efficiency—executives need this for Week 12's lab, live or later.

Question 3 Answer

What fixes cultural resistance?

- A. Legacy Upgrades
- B. Cross-Team Training**
- C. Cost Cutting
- D. Revenue Targets



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Answer to Question 3 references Slide 29 (Cultural Resistance). Training fixes resistance, per Week 8 data.

- B. Cross-Team Training:** Correct—80% success saves \$1M (Week 8), aligning teams for Week 10's value.
- A. Legacy Upgrades:** Incorrect—\$1M tech fix, per Slide 30.
- C. Cost Cutting:** Incorrect—\$500K unrelated, per Slide 25.
- D. Revenue Targets:** Incorrect—\$2M goals, per Slide 35.

Question 4

What cuts \$2M compliance fines?

- A. Shared Goals
- B. Proactive Audits
- C. Faster Builds
- D. Team Silos



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Question 4 tests compliance, referencing Slide 32 (Compliance Strategies). Week 8's metrics highlight fixes for stakeholders.

What cuts \$2M compliance fines?: Proactive audits align 4 daily runs, saving \$2M fines (Week 8, Week 10 finance). Unlike shared goals (\$2M revenue, Week 8), audits ensure Week 10's compliance—executives need this for Week 12's lab, live or later.

Question 4 Answer

What cuts \$2M compliance fines?

- A. Shared Goals
- B. Proactive Audits**
- C. Faster Builds
- D. Team Silos



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Answer to Question 4 references Slide 32 (Compliance Strategies). Audits cut fines, per Week 10 data.

- B. Proactive Audits:** Correct—\$2M saved (Week 8, Week 10 finance), ensuring compliance.
- A. Shared Goals:** Incorrect—\$2M revenue, per Slide 35.
- C. Faster Builds:** Incorrect—\$500K labor, per Slide 25.
- D. Team Silos:** Incorrect—\$1M rework, per Slide 29.

Question 5

What boosts collaboration?

- A. Legacy Systems
- B. Cost Overruns
- C. Communication Tools
- D. Security Gaps



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Question 5 tests collaboration, referencing Slide 34 (Communication Tools). Week 8's metrics highlight fixes for stakeholders.

What boosts collaboration?: Communication tools like Slack track 4 daily runs, boosting \$2M revenue (Week 8, Week 10 retail). Unlike legacy systems (\$1M, Week 9), tools align teams for Week 10's value—executives need this for Week 12's lab, live or later.

Question 5 Answer

What boosts collaboration?

- A. Legacy Systems
- B. Cost Overruns
- C. Communication Tools**
- D. Security Gaps



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Answer to Question 5 references Slide 34 (Communication Tools). Tools boost collaboration, per Week 8 data.

C. Communication Tools: Correct—\$2M revenue (Week 8, Week 10 retail), aligning teams.

A. Legacy Systems: Incorrect—\$1M cost, per Slide 30.

B. Cost Overruns: Incorrect—\$1M loss, per Slide 28.

D. Security Gaps: Incorrect—\$5M risk, per Slide 27.