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Accelerating Cloud Success

Your Guides:
Steve Seaney and Ian Dickson

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Accelerating Cloud Success



How AI-Enhanced EBA Transforms Enterprise Migration

- Rego University 2025
- Steve Seaney & Ian Dickson
- AWS Line of Business
- Rego Consulting

Agenda: 60-Minute Journey to Strategic Success

01

Opening Challenge

Enterprise transformation dilemma (5 minutes)

02

Understanding EBA Methodology

AWS EBA fundamentals (15 minutes)

03

AI Enhancement Revolution

How AI accelerates EBA (20 minutes)

04

Interactive Assessment

AI readiness evaluation (15 minutes)

05

Building Your Business Case

Executive-ready arguments (5 minutes)

06

Key Takeaways & Discussion

Strategic insights and partnerships



Learning Objectives:

- ✓ Understand how AI-enhanced EBA compresses 18-month migrations into 3-6 months
- ✓ Apply practical frameworks to assess your organization's AI readiness
- ✓ Build compelling business cases for accelerated cloud transformation
- ✓ Identify partnership strategies to reduce implementation risk

The Modern Enterprise Transformation Challenge

Cloud transformation has become a strategic imperative, not just an IT initiative. Traditional migration approaches create 18-month portfolio disruptions that executives can't accept in today's competitive landscape.

Organizations need frameworks that deliver both speed and reliability while maintaining operational excellence. Success requires combining proven methodologies with innovative acceleration techniques that minimize risk.



Key Challenge

How do PMO leaders deliver competitive advantage through cloud transformation without creating massive portfolio disruption?

A Fundamental Shift in Cloud Transformation

AWS Experience-Based Acceleration (EBA) represents a fundamental shift from traditional approaches. Instead of lengthy planning phases and sequential implementation, EBA compresses typical 18-month transformations into 3-6 month AI-ready outcomes.



Traditional Approach

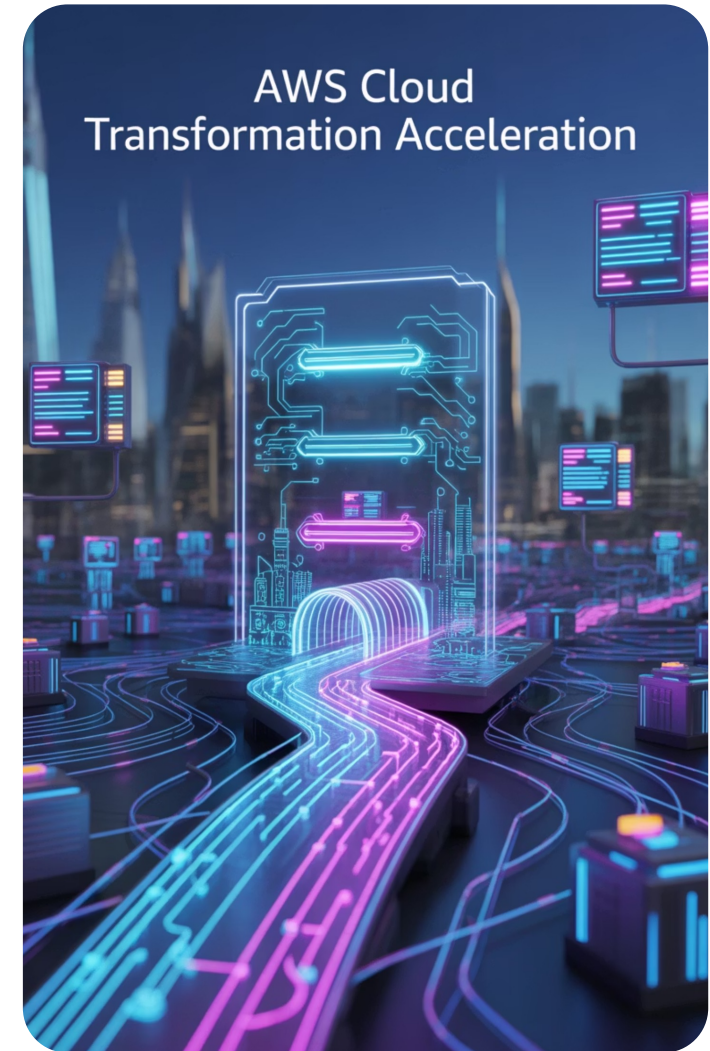
18-month disruptions with theoretical planning phases and sequential waterfall methodology



EBA Methodology

3-6 month transformations with learn-by-doing approach and immediate business outcomes

Leading enterprises discover that AI-enhanced EBA delivers both speed and strategic positioning for competitive advantage. The methodology focuses on hands-on experience and immediate business outcomes, not theoretical planning phases.



Understanding AWS Experience-Based Acceleration (EBA)

1

AWS's proven transformation methodology uses hands-on, agile, immersive engagements to accelerate digital transformation. EBA employs a learn-by-doing approach that puts cloud knowledge into action in your environment with your people, using your actual applications and data.

2

Hundreds of enterprises have successfully used EBA to build foundations, migrate at scale, modernize applications, and drive innovation. The methodology creates a cloud-fluent culture by breaking down organizational silos and empowering cross-functional teams to work collaboratively.

Core Principle



Teams learn by doing real work with real applications and data, not theoretical training or lengthy planning phases.



Addressing the Root Cause of Migration Friction

70%

Org Friction

Migration friction points are organizational and process-related, not technical challenges

85%

Experience Gap

Traditional teams lack hands-on cloud experience until production deployment

3-6

Months to Success

EBA provides immediate practical experience with AWS services and modern practices

Traditional approaches fail because teams lack hands-on cloud experience until production deployment. That's like learning to drive by reading manuals for months, then getting behind the wheel on the highway.



Critical Insight: Migration success depends more on people and process transformation than technology implementation.



Methodology Comparison: Traditional vs. EBA

8

Traditional



EBA



EBAs Comprehensive Transformational Framework



Migration Excellence

Moving Infrastructure and Applications

- Migrate applications within days using proven patterns
- Implement platform automation for scale
- Develop repeatable patterns for rapid operations



Innovation Acceleration

AI/ML and Advanced Capabilities

- Build Machine Learning models and Generative AI
- Create platforms for continuous innovation
- Deliver first ML use cases in 8-12 weeks



Modernization (ModAx)

Transforming Application Architecture

- Transform applications into modern cloud architecture
- Re-factor monoliths into microservices
- Containerize for improved scalability



FinOps Integration

Cost Optimization and Governance

- Optimize cloud spend through intelligent management
- Implement transparent cost allocation
- Build organizational capability for optimization

How EBA Works: Intensive Collaboration Engagements



3-Day EBA Parties

Intensive sprint-based collaborative events

Cross-Functional Teams

AWS experts provide hands-on guidance

Business Outcomes

Focus on tangible results, not presentations

Key Roles in EBA Success

- Executive Sponsor: Provides vision and resources
- EBA Lead: Oversees execution and momentum
- AWS Solution Architects: Provide technical guidance
- Subject Matter Experts: Bring specialized knowledge

"Two Pizza Team" Approach: Focused teams for rapid decision-making

Choosing the Right EBA Approach for Your Org



Platform EBAs

Building Cloud Foundations

For organizations starting cloud journey or establishing governance. Validate AWS landing zones, move 3-4 initial applications, build foundational skills and processes.



Migration EBAs

Scaling Application Movement

For organizations ready to migrate larger portfolios. Create repeatable patterns, execute multiple migrations, establish migration factories for ongoing transformation.



Modernization EBAs

Transforming Architecture

For organizations wanting to modernize existing applications. Containerize applications, implement cloud-native services, optimize for cost and performance.



Proven Results from EBA Implementations

Healthcare Organization

Infrastructure Migration Success

Challenge: 500+ physical servers, 70TB data, tight deadline

Results: 100% migration in 3 months (40% faster)

Impact: 60% cost savings, 75% footprint reduction, zero downtime

Automotive Technology

Microservices Transformation

Challenge: Legacy monolith serving millions of vehicles

Results: Transformed 1,300+ microservices successfully

Impact: Improved reliability, scalability, performance at scale

Enterprise Software

Application Modernization

Challenge: Multiple legacy applications requiring rapid modernization

Results: 19 apps migrated, 400+ tasks, 60+ blockers removed

Impact: 4-6 weeks' timeline reduction with improved quality

EBA Across Infrastructure and Applications

Infrastructure Migration



Application Modernization



- Server and database migration using automated tools
- Network transformation with VPC design
- Storage migration to S3, EBS, and EFS services
- Disaster recovery with cross-region replication
- Performance optimization through rightsizing

- Legacy assessment and pathway recommendations
- Database modernization to open-source solutions
- API development and microservices implementation
- Containerization using ECS, EKS, and Fargate
- Serverless transformation using Lambda

Infrastructure migration cuts costs and boosts efficiency quickly, while application modernization adds new features and competitive edge, offering both immediate returns and long-term benefits.

AI Enhancement: the Game Changer

AI-powered EBA delivers acceleration - up to 4x faster workload modernization.



Automated Discovery

90% reduction in assessment time through intelligent analysis



Intelligent Orchestration

AI-driven prioritization and optimization throughout migration



Continuous Enhancement

Proactive monitoring and automated issue resolution



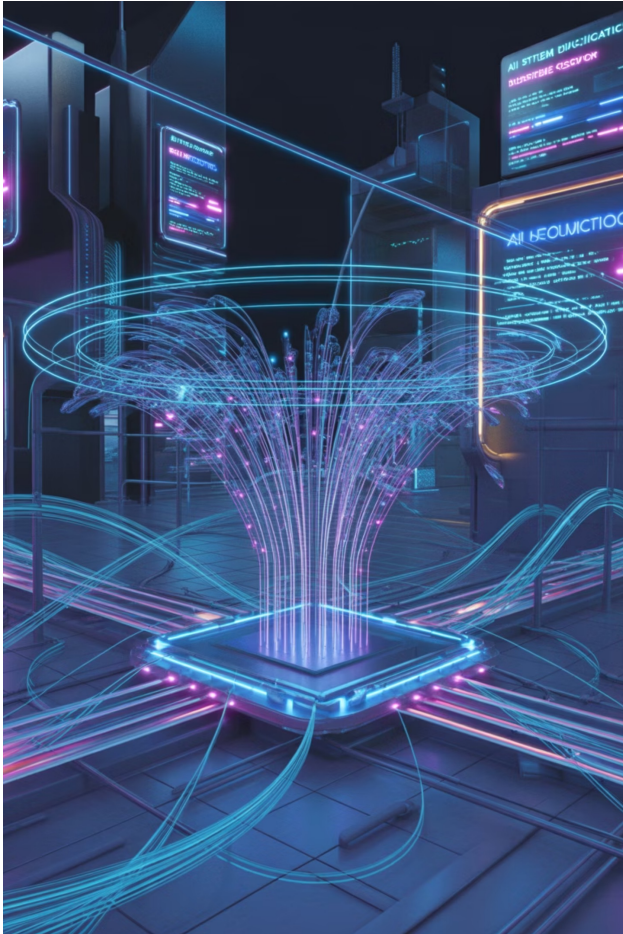
Strategic AI Readiness

Optimized foundations for future AI/ML workloads



Industry leaders report 75% reduction in deployment cycles through intelligent automation, with measurable improvements in operational efficiency across multiple dimensions.

Intelligent Automation Accelerates Planning Phase



- 1 Automated Discovery**
Application dependency mapping reduces assessment time by 90%
- 2 Predictive Analytics**
Identify optimal migration patterns and risks before implementation
- 3 ML Recommendations**
Algorithms recommend most effective modernization pathways
- 4 Intelligent Classification**
Prioritize applications based on business impact and complexity

Traditional Assessment

Months of manual analysis with high risk of surprises

AI-Enhanced Assessment

Days of automated analysis with predictive risk mitigation

Business Impact: Eliminates months of manual analysis and reduces the risk of migration surprises that traditionally derail complex transformation projects

AI-Driven Execution and Optimization

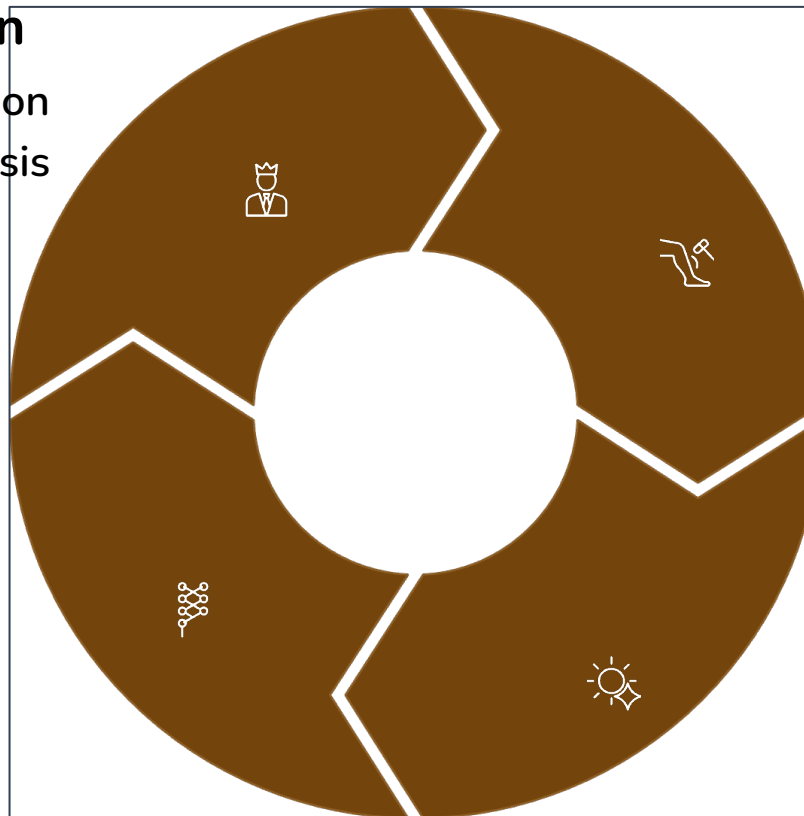
AI provides intelligent orchestration that continuously optimizes performance and prevents issues

Workload Prioritization

AI-driven prioritization based on comprehensive business impact analysis

Smart Resource Allocation

Optimal performance and cost efficiency throughout transformation



Automated Testing

Validation processes reduce manual effort and eliminate human error

Real-Time Optimization

Recommendations prevent performance issues during execution

Result: Faster, more reliable migrations with better outcomes through continuous intelligence, predictive issue detection, automated performance tuning, and intelligent recovery procedures.

AI-Powered Post Migration Optimization

AI enhancement continues after migration with continuous performance optimization that creates self-improving infrastructure. This ongoing intelligence ensures your cloud environment gets better over time without manual intervention.

Proactive Monitoring

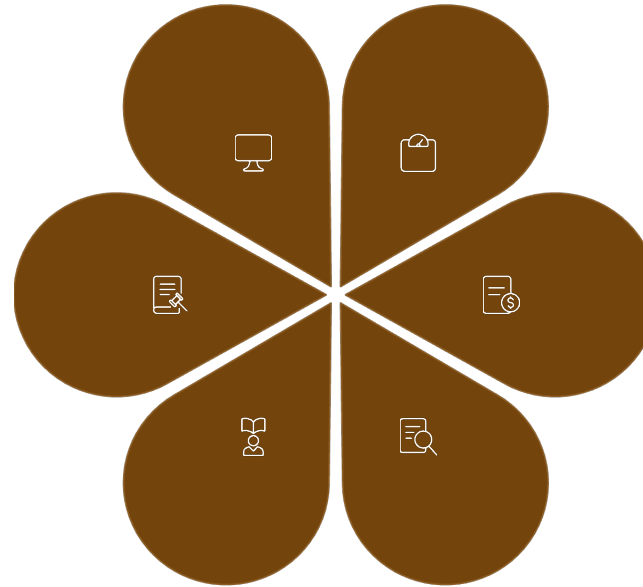
AI systems detect and resolve issues before they affect users

Dynamic Adjustment

Resources automatically adjust based on demand forecasting

Continuous Learning

Usage patterns inform automated optimization decisions



Predictive Scaling

Prevent performance degradation during peak usage periods

ML Cost Optimization

Ongoing savings through intelligent resource management

Automated Compliance

Continuous security and governance standards monitoring

AI-Powered Post Migration Optimization



Strategic Benefit

Self-improving infrastructure that continuously learns, automatically adjusts resources, and optimizes costs without manual intervention - getting better over time.



Positioning for Competitive Advantage

The strategic benefits of AI-enhanced EBA extend far beyond migration success.

Organizations aren't just migrating to cloud; they're positioning themselves for AI leadership in their respective markets through superior data foundations and accelerated innovation capabilities.



Positioning for Competitive Advantage



Enhanced AI Performance

Significant improvements in AI model performance post-migration due to optimized infrastructure foundations and improved data accessibility



Superior Data Foundation

Enhanced data accessibility for analytics workloads enables better business intelligence and decision-making across the enterprise



Accelerated Innovation

Modern cloud platforms enable rapid deployment of AI/ML capabilities and support continuous innovation cycles



Enhanced Customer Experience

Strategic positioning achieved for competitive advantage in AI-driven market environments through superior service delivery

Practical Evaluation for Your Organization

Success with AI-enhanced EBA requires honest assessment of organizational readiness across five critical dimensions. This framework helps identify opportunities and build compelling business cases tailored to your specific situation.

01

Infrastructure Readiness

Application portfolio complexity, data architecture maturity, security framework alignment with cloud best practices

02

Organizational Capability

Change management processes, technical skill inventory, executive sponsorship and strategic alignment

03

Financial Framework

Budget allocation models, ROI measurement capabilities, cost optimization opportunities and FinOps maturity

04

Innovation Platform Potential

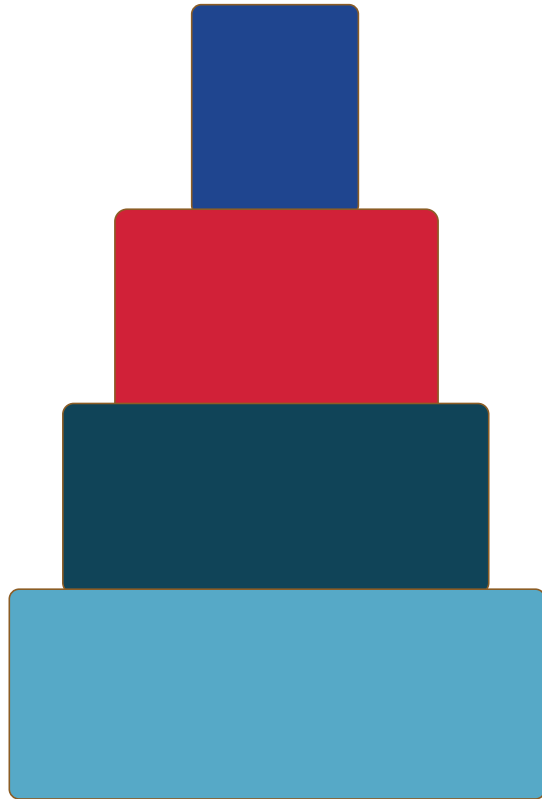
Data accessibility and quality, experimentation requirements, integration capabilities with existing systems

05

Governance and Risk Management

Compliance requirements, risk tolerance, performance monitoring and continuous improvement processes

Determining Your Organization's AI Readiness



Level 1: Traditional Infrastructure

On-premises with minimal cloud. AI is not yet practical; focus on building cloud foundations.

Level 2: Hybrid Environment

Mixed on-premises and cloud; cloud foundations enable AI pilots. Focus: Expand cloud adoption and begin AI experimentation.

Level 3: Cloud-First Approach

Primarily cloud-based, with AI experimentation. Ready for AI-enhanced migration and modernization. Focus: Scale AI and optimize cloud operations.

Level 4: AI-Optimized Infrastructure

Fully optimized for AI, leading innovation and sharing best practices.

Reality Check: Most organizations are at Level 1 or 2 therefore building cloud foundations first is the logical next step for sustainable AI readiness.

Assess Your Organization Right Now

Take 2 minutes to evaluate your organization across these five critical questions. Your responses will help determine the optimal AI-enhanced EBA approach for your specific situation.

1**Cloud Maturity and AI Readiness**

Level 1 (Traditional) • Level 2 (Hybrid) • Level 3 (Cloud-First) • Level 4 (AI-Optimized)

2**Transformation Timeline Drivers**

Competitive Pressure • Cost Reduction • Innovation Requirements • Regulatory Compliance

3**Complex Transformation Capacity**

High (dedicated resources) • Medium (some constraints) • Low (significant constraints)

4**Success Measurement Priorities**

Cost Savings • Time-to-Market • Innovation Capability • Operational Efficiency

5**Highest-Value AI Capabilities**

Customer Analytics • Operational Automation • Predictive Insights • Enhanced Products/Services

Apply the Assessment to Your Situation

Based on your assessment responses, let's identify the optimal path forward for your organization. This isn't about implementing everything at once; it's about finding the right sequence and approach for your specific maturity level and constraints.



Identify Impact Areas

Which aspects of AI-enhanced EBA would deliver greatest impact given your current state and business priorities?



Evaluate Organizational Context

What's realistic given your constraints and timeline? Where are the biggest opportunities and obstacles?



Determine Investment Strategy

Where should you focus first for maximum impact? What's the optimal sequence for your situation?



Next Steps Framework

- Prioritize initiatives based on readiness and business value
- Develop phased approach aligned with organizational capacity
- Identify partnership requirements and internal capability gaps

The Strategic Business Case Framework



Competitive Advantage Timeline

Traditional migrations create 18-month competitive disadvantages. AI-enhanced EBA delivers market-ready capabilities in 3-6 months, creating competitive advantage instead.



Financial Impact Framework

Infrastructure cost reductions of 40-60% typical in first year. Accelerated time-to-market for AI-powered products. Reduced technical debt freeing resources for innovation.



Risk Mitigation Strategy

Proven EBA methodology reduces transformation failure risk. AI-powered monitoring prevents issues. Structured approach ensures compliance from day one.



Organizational Capability Building

Teams gain hands-on experience with modern technologies. Established patterns enable faster future innovations. Enhanced data platform supports enterprise decision-making.

The Strategic Business Case Framework

This framework provides the executive-level arguments you need to secure funding and organizational commitment for AI-enhanced transformation initiatives.



Start Your Journey Today

Take these essential AWS resources with you - they're your starting point for transforming your organization with AI-enhanced cloud migration and modernization capabilities.



AWS Experience-Based Acceleration

aws.amazon.com/experience-based-acceleration/

Complete methodology overview, case studies, and implementation guidance



AWS Migration Acceleration Program

aws.amazon.com/migration-acceleration-program/

Financial incentives and structured framework to accelerate your cloud journey



AWS Well-Architected Framework

aws.amazon.com/architecture/well-architected/

Best practices for building secure, reliable, performant, cost-effective systems



Connect with AWS:

AWS Contact Sales

aws.amazon.com/contact-us/

Discuss your specific EBA requirements and get personalized guidance

Find AWS Partners

partners.amazonaws.com/

Locate certified consulting partners with proven EBA experience

Top 8 Resources to Continue Your Journey

AWS Experience-Based Acceleration

aws.amazon.com/experience-based-acceleration/

Complete EBA methodology overview, case studies, and getting started guide

AWS Migration Acceleration Program

aws.amazon.com/migration-acceleration-program/

Financial incentives and structured framework for successful cloud migration

AWS Skill Builder

skillbuilder.aws/

Free digital training courses for cloud fundamentals and advanced topics

AWS Training and Certification

aws.amazon.com/training/

Professional certification programs and EBA-specific learning paths

These eight links give you everything needed to start and succeed with AI-enhanced cloud transformation initiatives at your organization.

Let Rego be your guide.

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Top 8 Resources to Continue Your Journey

AWS Migration Hub

aws.amazon.com/migration-hub/

Central location to track and manage application migrations across AWS services

AWS AI and Machine Learning

aws.amazon.com/machine-learning/

Comprehensive portfolio of AI/ML services for every skill level

AWS Contact Sales

aws.amazon.com/contact-us/

Connect with AWS team to discuss your specific EBA requirements

Find AWS Partners

partners.amazonaws.com/

Locate certified consulting partners with proven EBA experience

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Remember These Critical Success Factors

Methodology Matters

- EBA provides proven frameworks that reduce risk while accelerating outcomes. AI enhancement amplifies these benefits significantly. Partnership with experienced practitioners reduces learning curves and implementation risk.

Speed Creates Advantage

- 3-6 month transformations enable competitive positioning that traditional approaches cannot deliver. Market timing becomes a sustainable competitive advantage in AI-driven environments.

AI Readiness Requires Foundation

- Organizations that complete AI-enhanced migrations gain sustainable platforms for continuous innovation. Strategic positioning for long-term market leadership becomes embedded in operations.

Assessment Drives Success

- Structured evaluation ensures appropriate investment and resource allocation. Clear roadmap reduces implementation uncertainty and optimizes outcomes with reduced risk.

Partnership Accelerates Results

- Working with experienced EBA practitioners provides access to proven patterns and reduced learning curves. Strategic partnerships enable faster success with significantly lower risk.

Discussion

- ❓ What aspects of AI-enhanced EBA seem most relevant to your current situation?
- ❓ What obstacles do you see for implementing this accelerated approach?
- ❓ What additional information would help you build the business case?



Questions?



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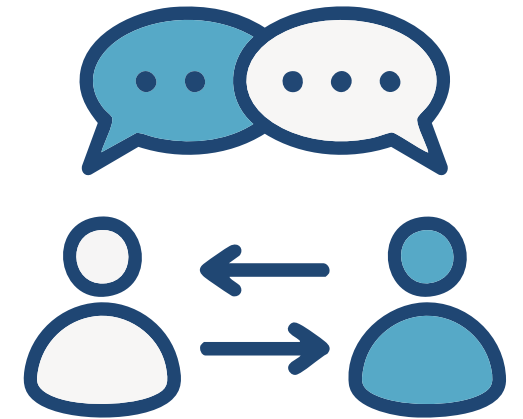


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