

Microsoft Certified: AI Transformation Leader (AB-731) - Mind Map Summary

1. Enterprise AI Strategy

- AI vision & business alignment
- Use case identification & prioritization
- Time-to-value considerations
- Pilot → Scale transition planning
- Adoption & change management

2. Architecture Decision Framework

- Buy vs Extend vs Build
 - Microsoft 365 Copilot
 - Standard productivity scenarios
 - Faster deployment
 - Copilot Studio
 - Workflow orchestration
 - Business process integration
 - Azure OpenAI
 - Azure AI Services
 - Fully custom AI applications
- Decision Factors
 - Customization depth
 - Compliance & governance needs
 - Scalability requirements
 - Cost model
 - Data sensitivity

3. Microsoft AI Architecture Stack

- Productivity Layer → Microsoft 365 Copilot
- Workflow Layer → Copilot Studio
- Model Capability Layer
 - Azure OpenAI
 - Azure AI Services
- Data Grounding Layer → Azure AI Search (RAG)
- Governance & Lifecycle → Azure AI Foundry
- Enterprise Context
 - Microsoft Graph
 - Identity & RBAC
 - Security trimming

4. RAG vs Fine-Tuning

- RAG (Retrieval-Augmented Generation)
 - External knowledge grounding
 - Real-time data updates
 - Lower retraining overhead
 - Reduced hallucination risk
- Fine-Tuning
 - Domain specialization
 - Tone & response control
 - Static knowledge scenarios
 - Higher governance oversight
- Trade-Off Considerations
 - Cost
 - Maintainability
 - Data freshness
 - Risk mitigation
 - Scalability

5. Responsible AI Principles

- Fairness
- Reliability & Safety
- Privacy & Security
- Inclusiveness
- Transparency
- Accountability
- Operationalization
 - RBAC enforcement
 - Identity boundary design
 - Audit logging & monitoring
 - Human-in-the-loop controls
 - Risk mitigation frameworks

6. Governance & Enterprise Controls

- Data isolation & compliance alignment
- AI lifecycle management
- Model evaluation & validation
- Monitoring & observability
- Cost governance
- Policy enforcement

7. Exam Strategy Focus

- Scenario-based reasoning
- Architecture layer identification
- Business objective → Constraint → Risk → Scalable solution mapping
- Governance-aware decision making