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SEC204

Transform the relationship between DevOps and compliance teams

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Topics

Data perspective – sensitive and regulated

The conflict – compliance vs. innovation

Solutions – six mechanisms and reliable patterns



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Data perspective – sensitive and regulated



Sensitive – information that your organization chooses to protect because of its inherent value or promises made to others



Regulated – information where the methods of protection must be proved to an entity external to the organization

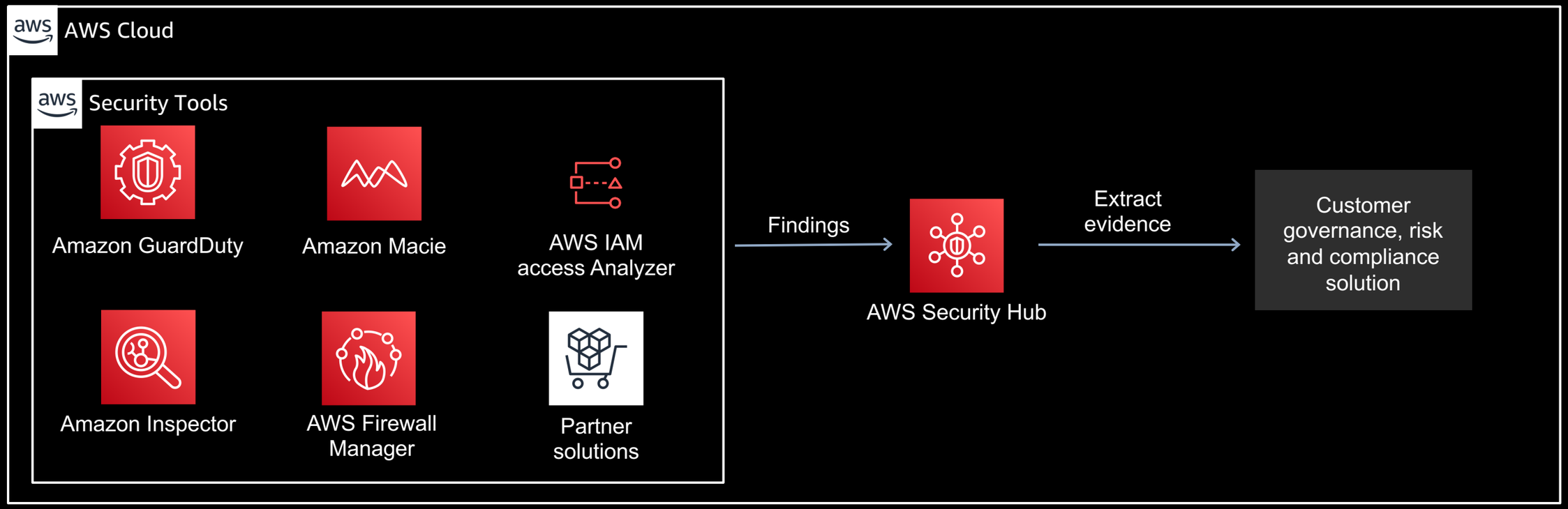
The typical compliance challenge

- Requirements not “cloud aware”
- Manual verification
- Confusing documentation
- Strict rules inconsistently applied to workloads
- Builder and compliance teams out of sync with each other
- Senior leaders appear to be governing by exception

This stifles innovation

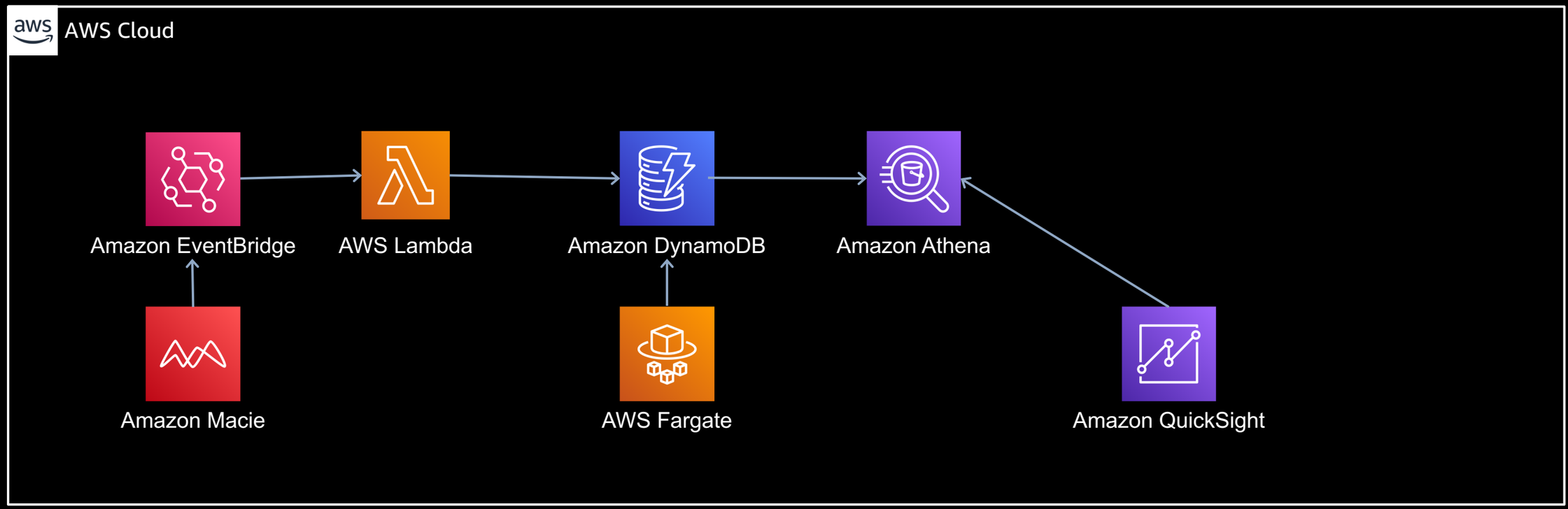
Control effectiveness

- Automate extraction
- Policy as code
- Build upon well-architected, aligned to a security framework



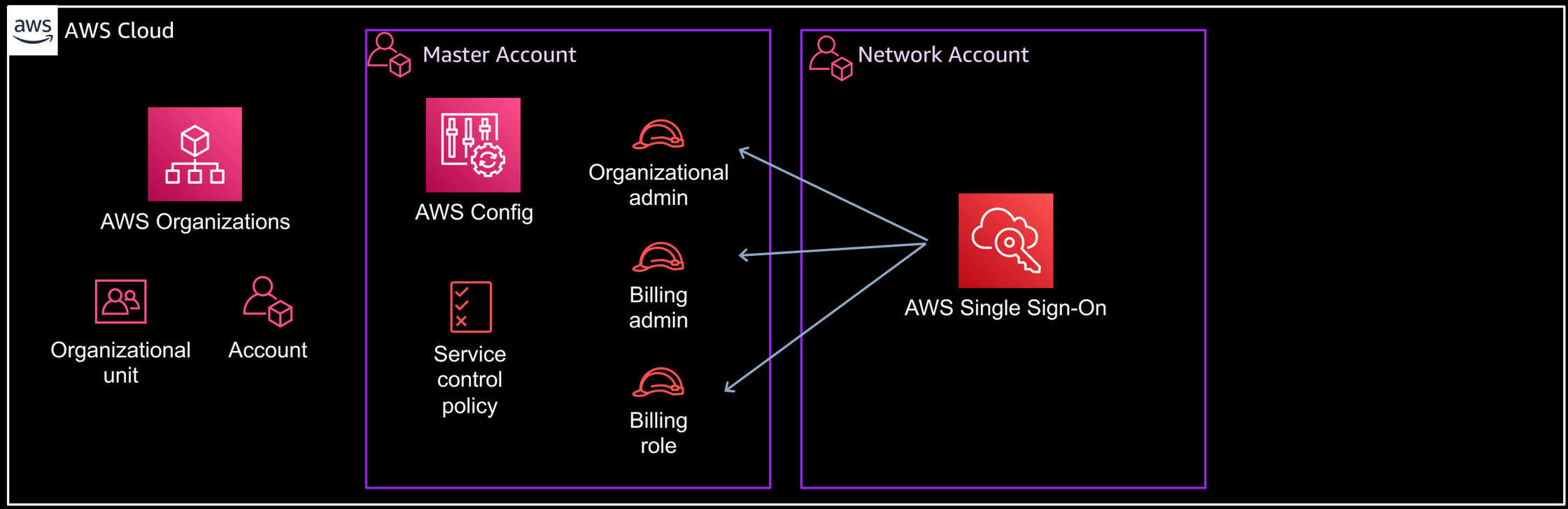
Scale and automation

- Compliance, like the stock market, loves predictability
- Reliable code is key to scale aligned to compliance
- Starts with reliable patterns for data protection



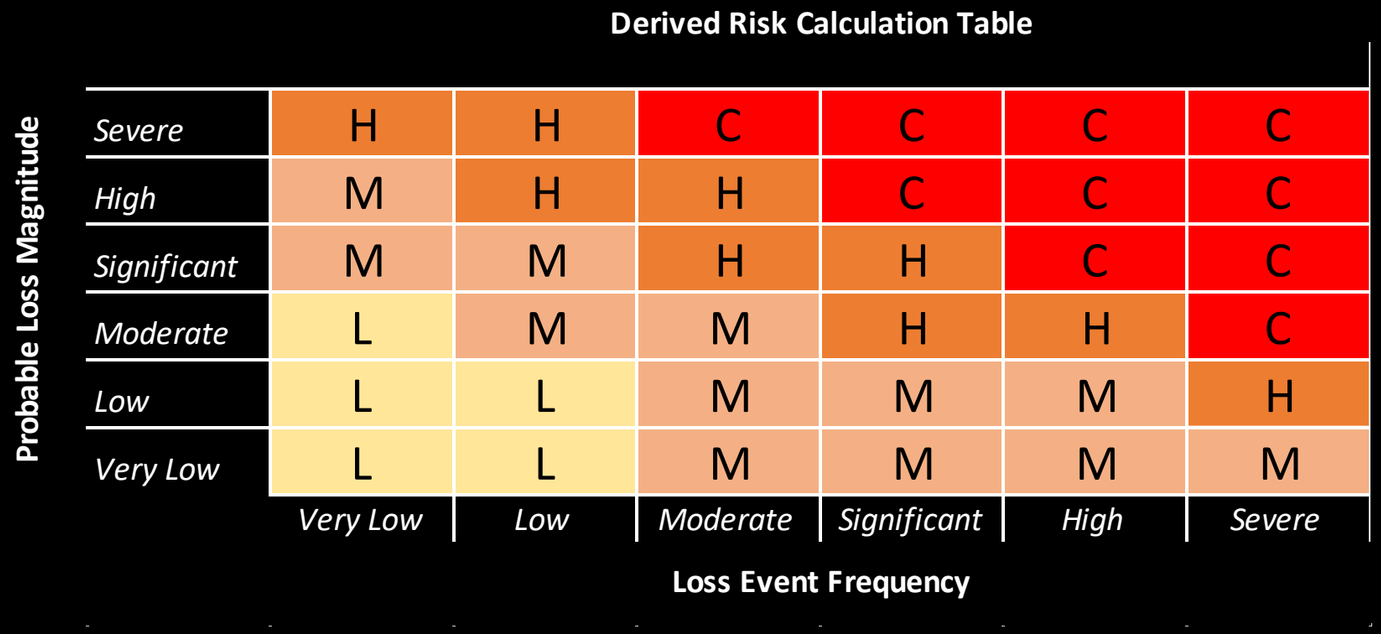
Secure design

- Reference models
- Accuracy
- Provable



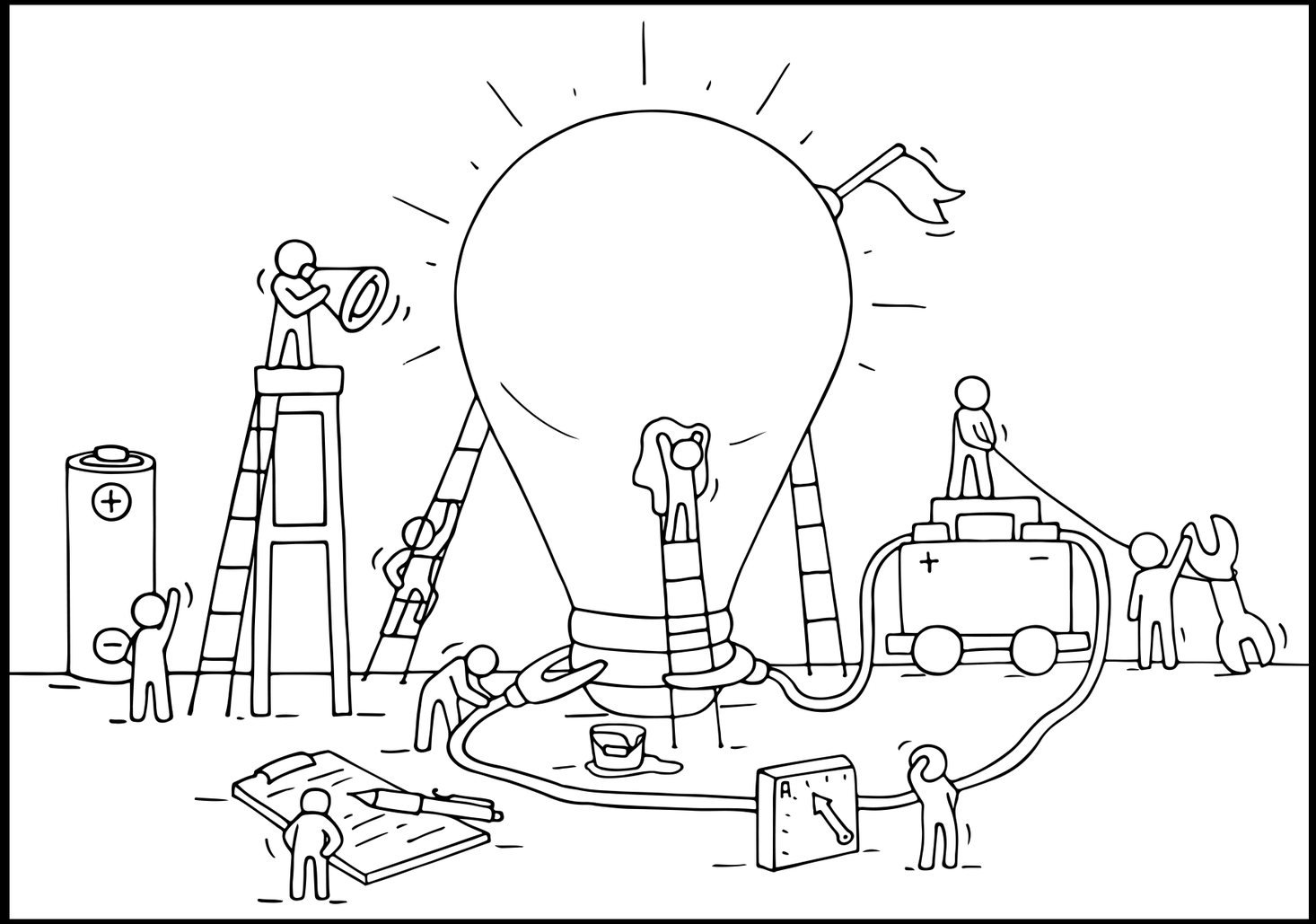
Risk themes

- Quantifiable risk
- Stranded technology
- People perspective



Business alignment

- Connect DevOps to traceable business goals
- Seek unique-to-cloud opportunities
- Design the organization to be a force-multiplier across dev, operations and compliance



Domain charters

- Establish guardrails
- Set tone for future investments
- Build the foundation for collaboration

Examples from domain charters

- Lean into cloud-native technology for security, leveraging automation and developing “flywheel” processes that connect development work back into security operations
- Embed security-skilled resources into every dev team, validating results through simulations and similar joint exercises, incorporating peer reviews into performance cycle

Thank you!



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