Operations - Assessment Questions

Whiteboard Session

- Diagram the list of different process flows used in the DevOps life-cycle including any additional plug ins used for straight through processing activities (i.e. Version control system, Jira - process workflow, Test management process flow, Release process). Should include the tools used for:
    - Documentation - knowledgebase, confluence(wiki) pages
    - Requirements - Back lock grooming
    - Planning - Portfolio process
    - Project Management - Different state transition
    - Issue Tracking - i.e. Jira workflow
    - Build procedures (lower lanes to production transition)
    - CI/CD Orchestration process
    - Static Code Analysis capabilities
    - Dynamic Code Analysis capabilities
    - Artifact Repository process flow (compilation and deployment artifacts)
    - Test Automation Tools monitoring(including Performance)
    - Security practices
    - Server Configuration process
    - Application Monitoring and Logging
    - Production Tickets - i.e. ServiceNow

Question	Why we ask?	How to score/rate? (1 lowest - 5 highest)	Weight?	What data can we pull to quantify?	Comments
Do we have product/portfolio roadmap ?	Understand how each project/product is impacted in overall business goals	1- limited 3- Some 5 - Well roadmap			
How frequent collaborative meeting happened ?	Understand the direction and timeline put in prospective for the overall success	1- Yearly 3 - Quarterly 5- Monthly			
Is there any defined workflow for project/product management ? who managed the initiation activities or assignments	Who finalize product backlogs and apply correct workflow status				
How integration procedures between Process/Version Control/Build Machine/Release machine ?	How different hooks integrated				
What are version control - build procedures and release workflow - branching models in place ?	Version control use case scenario				
Is there defined process to get access for version control for code repository ?	User's environment access management				
Is workflow updates manual or automated ?	i.e. Jira workflow required manual status change or automated				
Do you have a topology diagram for the infrastructure ?	High Level architecture diagram				
What are patching/upgrade activities for infrastructure ?	Infrastructure calendar and procedure for Non-prod vs Prod patch activities				
Do you have control plan in place for business continuity management ?	CnR activities				
What are delivery models practices in place ?	Scrum/Kanban/Waterfall				
Do we have any code review procedure in place ?	Code Review				
Do we have unit testing practices in place ?	Code validation in Development				

What procedures for regression/performance testing ?	Testcase creation				
Do we have test life cycle management process automated or manual ?	Test Coverage Traceability Matrix				
What are your packaging or delivery process (.jar,rpm,msi) ?	Deployment orchestration				
what are release frequencies and how release procedures documented ?	Understand the six months/yearly roadmap for release planning				
Do we use source code analysis tool for identifying, tracking, and repairing security vulnerabilities, compliance issues in source code ?	Code Analysis				
What are process for artifact versioning ?	Release versioning				
What are deploy & configuration process for applications ?	Release procedures				
What are production issue management procedure ?	High visibility issue resolution/manage activities				
Do have any process KPI metric in place ?	Management Reporting				
Do you have incident/problem management procedures in place ?	Issue management				
How is infrastructure/Development/Business team communicate, notification protocols, escalation procedures ?	Communications within different teams				
Do we have any compliance requirements for standard practices ?	Access reviews				
Do we have any retention policy requirements ?	Compliance requirement to archive data points				
How data vulnerability security procedures managed?	PenTest activities				
Do you have any vendor engagement activities ?	Vendor management SLA				
How tool license management procedure ?	To understand if any 3rd party software used for license management. i.e. nuget				
Do you have any onboarding procedures documented ?	Wiki, Confluence page for internal teams				
What procedures/practices are available for application/infrastructure monitoring ?					