AWS WELL ARCHITECTED. It's a tool to review architectures an AWS. It's breved on a set of " Villars". - Operational Excellence - Security - Reliabily Reformance - Sustainability SCORPS holps remember pillers. Benefits v more Joston through outomotion √ reduce risks Virgamed decision Design principles · Estimate, nearure, capacity. · Test at production scale; troffic, data,... ! Thanks to secretars recices we can setup a production encironment and only pay whom we use it. · butonate to enable easy + Intent of WA · Not an audit -is work together. · Best odice is prosen designs. => Use well orelitected Tool! 1) Operational Exellence · Run worklood efficiently · gain insights into the run. · continuous in-prave paceses How ? ure IA (infrastr. as code) and mohe small, frequent changes. · Continuous pecess refirement. Setup game days to review and share procedures. · Anticipate failure

- auto scoling

- fail over

- have a post morten procedure => Look at AWS Incident Manager after incident check this service for advice (alorms (playbook Retrolility lecarer from disruptions · Automoted woing thesholds for example · Stateless revice for automatic recovery run -> EC - L state -> Elosticache FCE EC2' EC2" => DWS Fault Injection Simulator. · Find perf. lættlenecks. · Roll læck to a pre-experiment · Dofine tersts vier templates · Vertical vy. Housantal scaling ! mosse smaller is more raliable than fewer ligger · Stop guessing conocity · get insights in boseline · configure scaling to with I out of the lost. Is use threshold for trigger with FC-2 => AWS SSM Change Manager what did change? For oudit and reporting. Looks like only used for EC-2, ROS \$3, ALB, 3 Security · Identity RBAC (rele lossed ones control) Multi account setup -> isolation · Traceability Monitor + remediate => Anazon inspector Chechs for software vulneralilities and network exposure.
+ automatic remediation. => AWS Config audit service configuration and robotionships. · Automate security Security via IAC => Insperta - Autonate => Macie - Sensitive data on 53 => Trusted Advisor - Best practices => Config => Guard Duty · Oata in transit / rest => Macie - Jensitive data an S3 => KMS / Claud HSM / SSE => Certificate manager · Keen reals away from data · Prepare for security events 4 Performance · Democratine advanced tech. By leveroging API's to elstract · Go global in minutes · Use serverless architecture - no physical servers - reale - to - Zero - auto scale-out - experiment more often. · Mechanical Sympathy

> - act the car to the end of the race, odapt your during Analogy of F1 racing