

in a nutshell



Using Azure with DevOps generally starts with:

App Discussions: Azure, What Code I Manage & DevOps:

- How will I do C.R.U.D. & How long do I keep it?
- What "Text" is doing What, Where & When?
- What, Where & When? – Do I need to Watch & Hear about?
- Everything is Temporary "IoT" Device Traffic Management

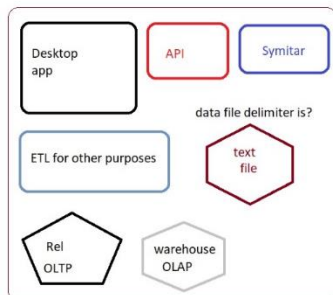
The creative use of billable Storage, Hubs, Grids, Events, Notifications, Web Apps, Containers, Bus, Queues, Topic & Subscriptions, Cache, No-SQL & Relational SQL, Functions, Hooks; Agents;

- To move (ETL) JSON (and other formats) data or metadata as Client or Server API apps.
- Do C.R.U.D. Ops

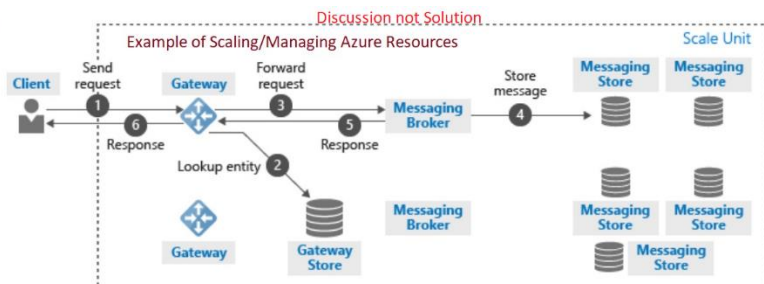
- Is the "App"

- Temporally or permanently created & improved with CI/CD Pipelines
- Workflow/version control management with DevOps: Teams, Projects, Boards, Repos
- Secured by Key Vault, Active Directory & Oath
- Monitored & Scaled w/Insights Metrics
- Insights can be used in Power BI Desktop/Tableau style Reports

Present Day & Dreaming Ahead....

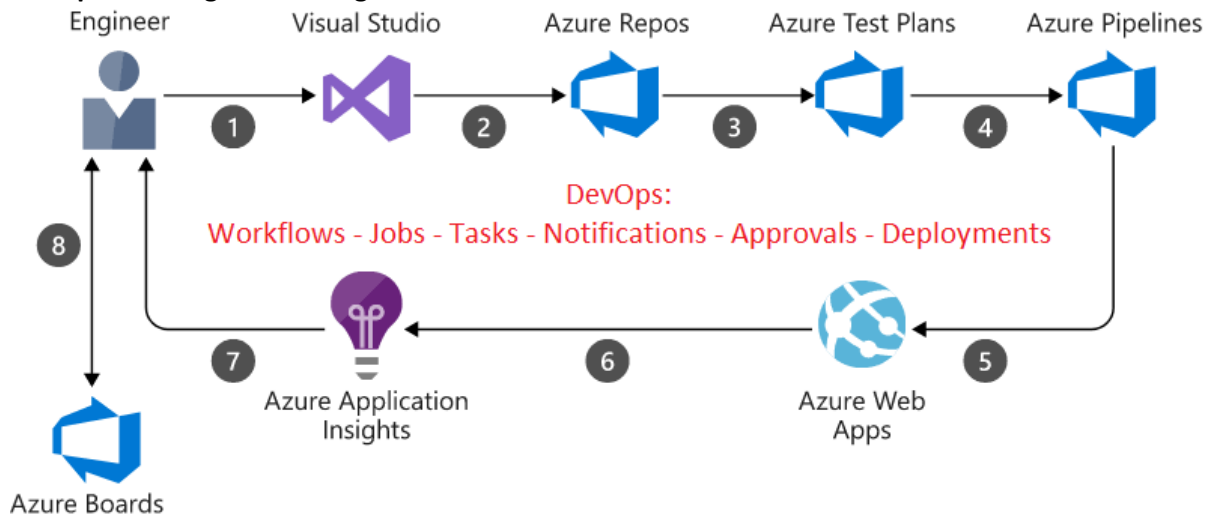


What is current?
What is the "Dream"?
What is the sane path between the two?
Where can I scale and/or control Billing?

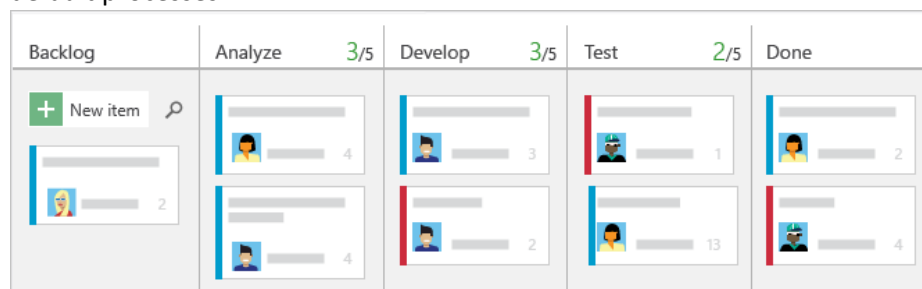


Use of Storage, Hubs, Grids, Events, Notifications, Web Apps, Containers, Bus, Queues, Topic & Subscriptions, Cache, No-SQL & Relational SQL, Functions, Hooks; Agents;

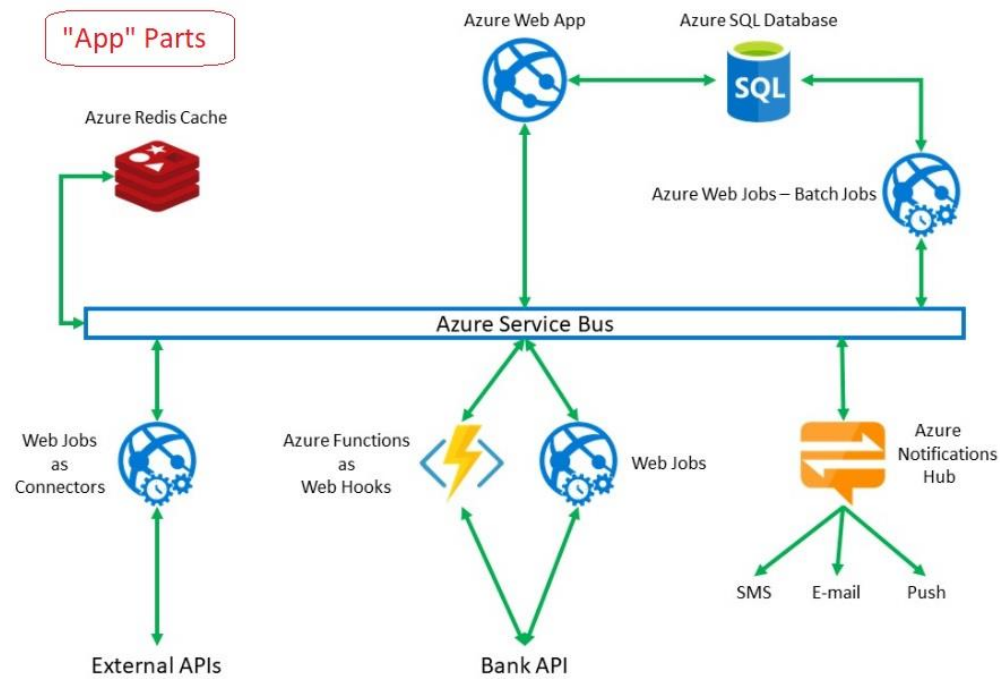
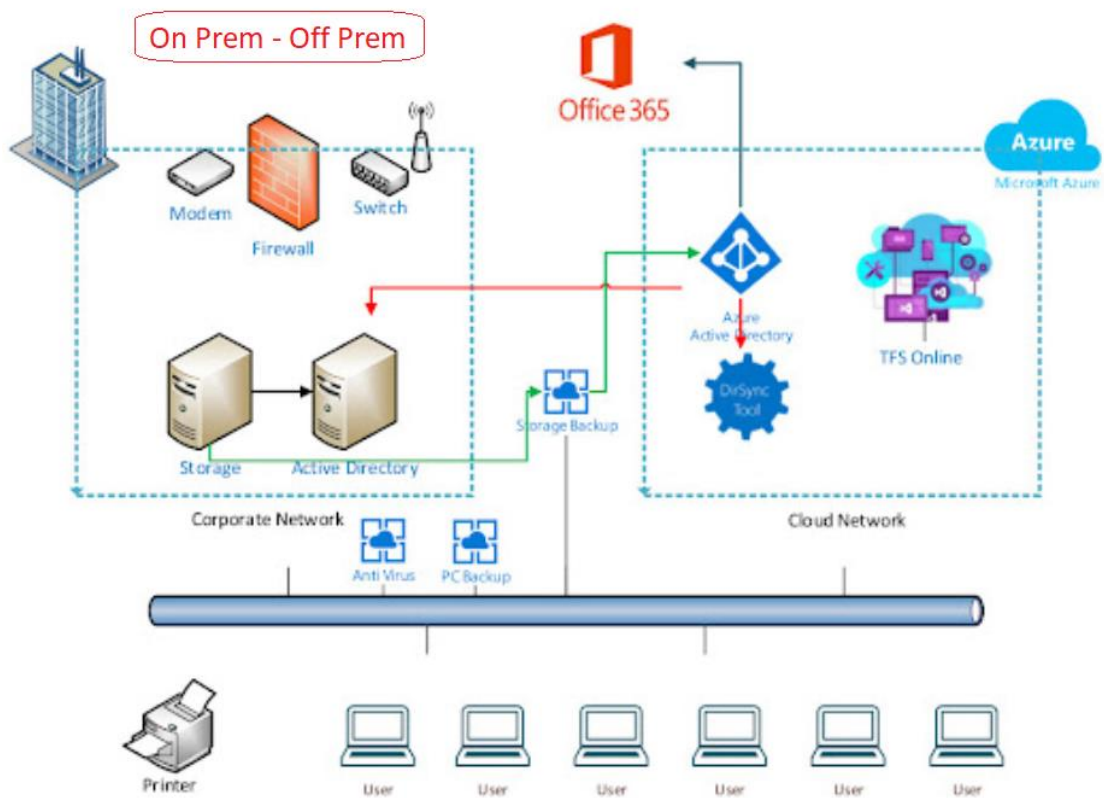
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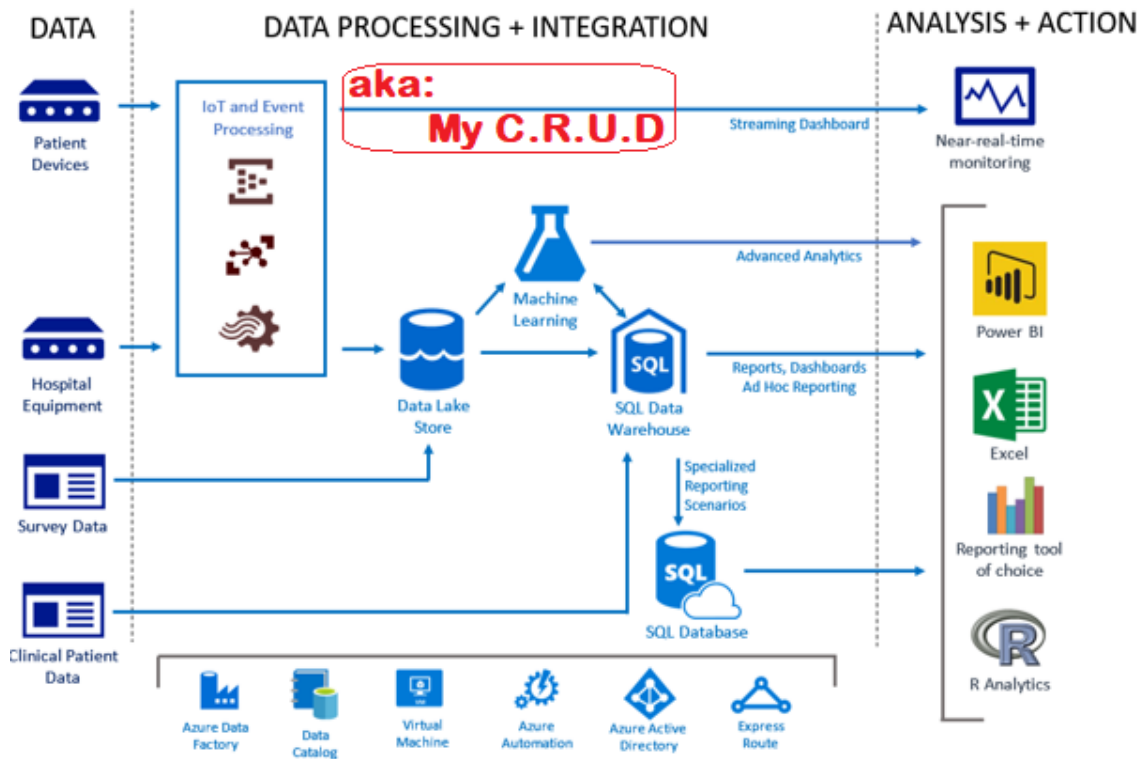
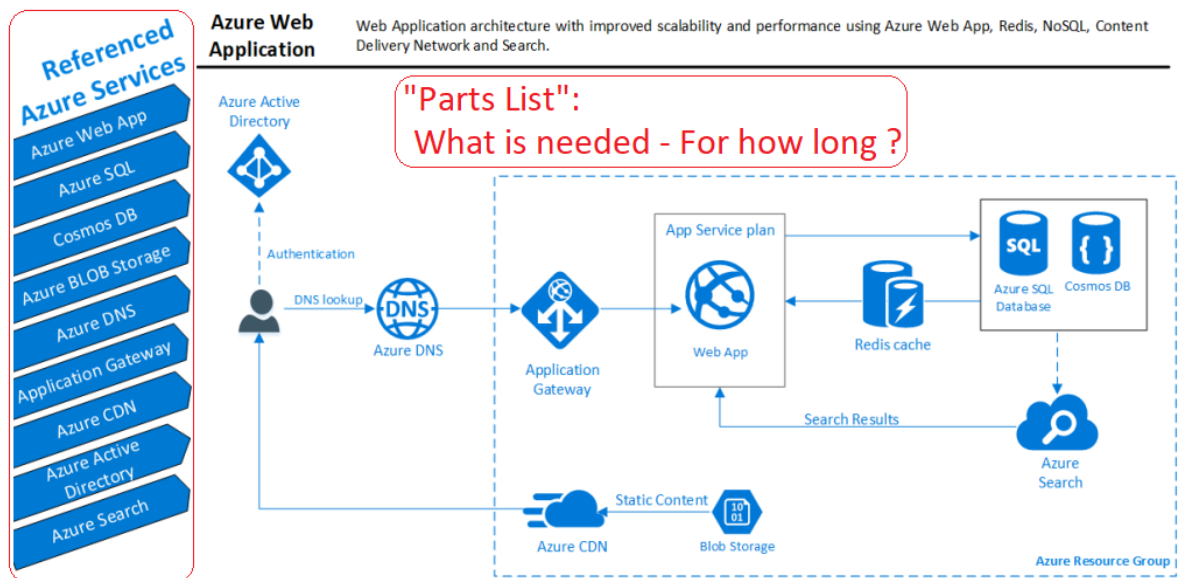
DevOps: Building & Watching**Setup: What Settings do I need?**

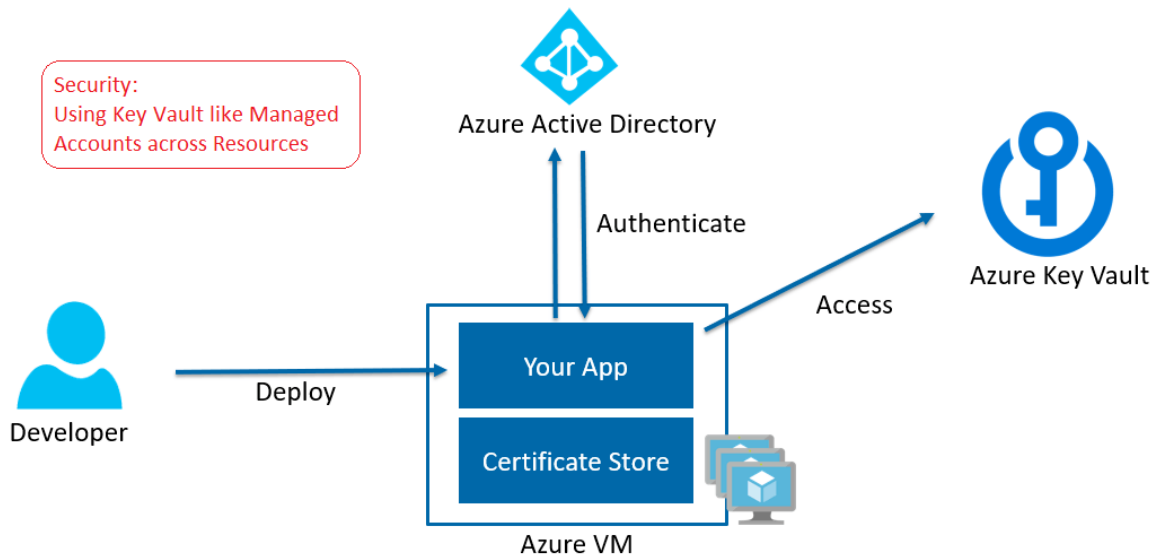
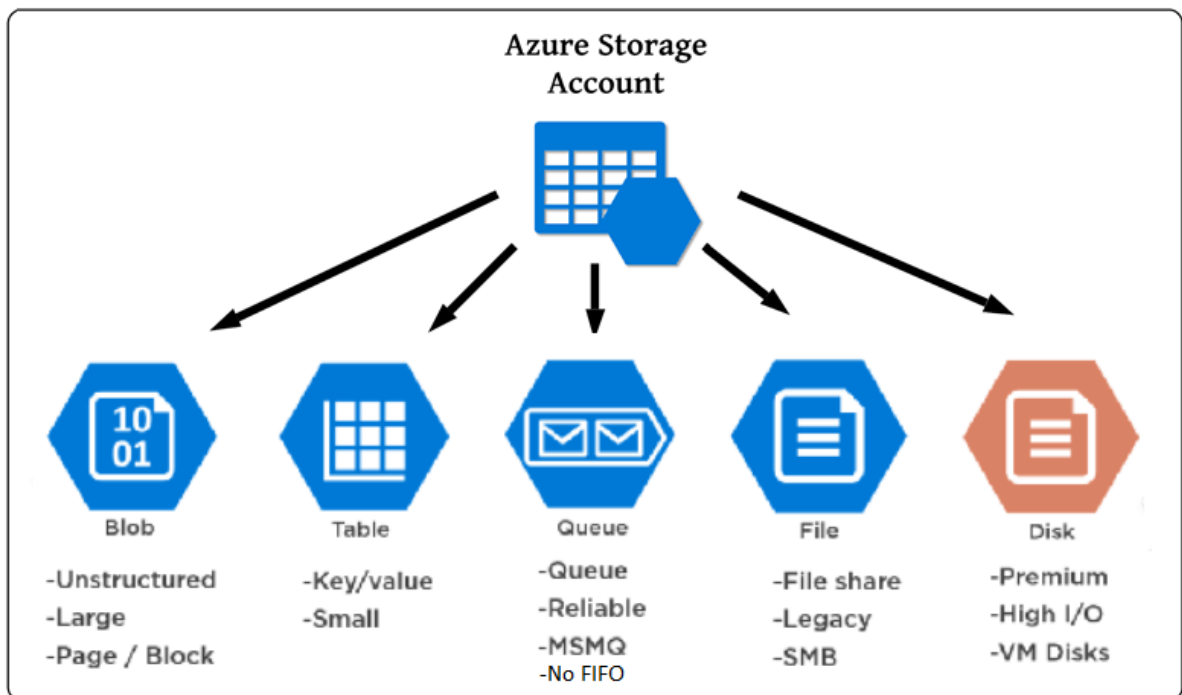
- 1) [Create an organization - Azure DevOps | Microsoft Learn](#)
- 2) [What is Azure Test Plans? Manual, exploratory, and automated test tools. - Azure Test Plans | Microsoft Learn](#)
 - a) [Manage flaky tests - Azure Pipelines | Microsoft Learn](#)
- 3) [Use your Kanban board - Azure Boards | Microsoft Learn](#)
 - a) Map the flow of how your team works
- 4) [Define, capture, triage, and manage bugs or code defects in Azure Boards - Azure Boards | Microsoft Learn](#)
 - a) Decide how they want bugs to show up on their backlogs and boards.
- 5) [Manage columns on your Kanban board - Azure Boards | Microsoft Learn](#)
 - a) Each column on your Kanban board corresponds to work that your team does before that stage is considered done.
 - b) Diagram forward progression of WITs used to track work and code defects for the three default processes.

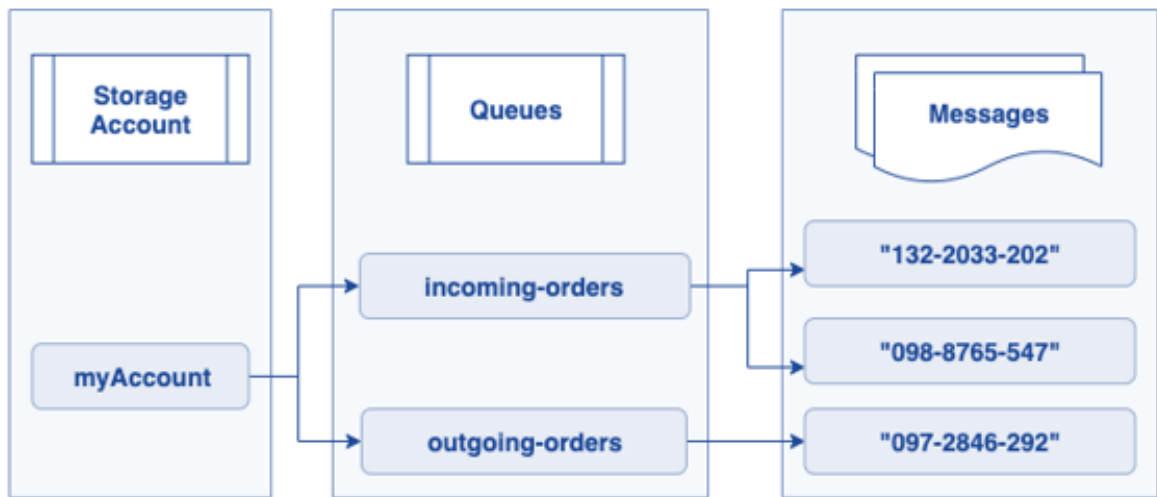


- c) [About default processes and process templates - Azure Boards | Microsoft Learn](#)
- 6) [About default processes and process templates - Azure Boards | Microsoft Learn](#)
 - 7) [Create your product backlog in Azure Boards - Azure Boards | Microsoft Learn](#)
 - 8) [Use your Kanban board - Azure Boards | Microsoft Learn](#)

IoT & Connecting & Sharing: What Resources get "Wired" together for an "App"?**On – Off Premise**

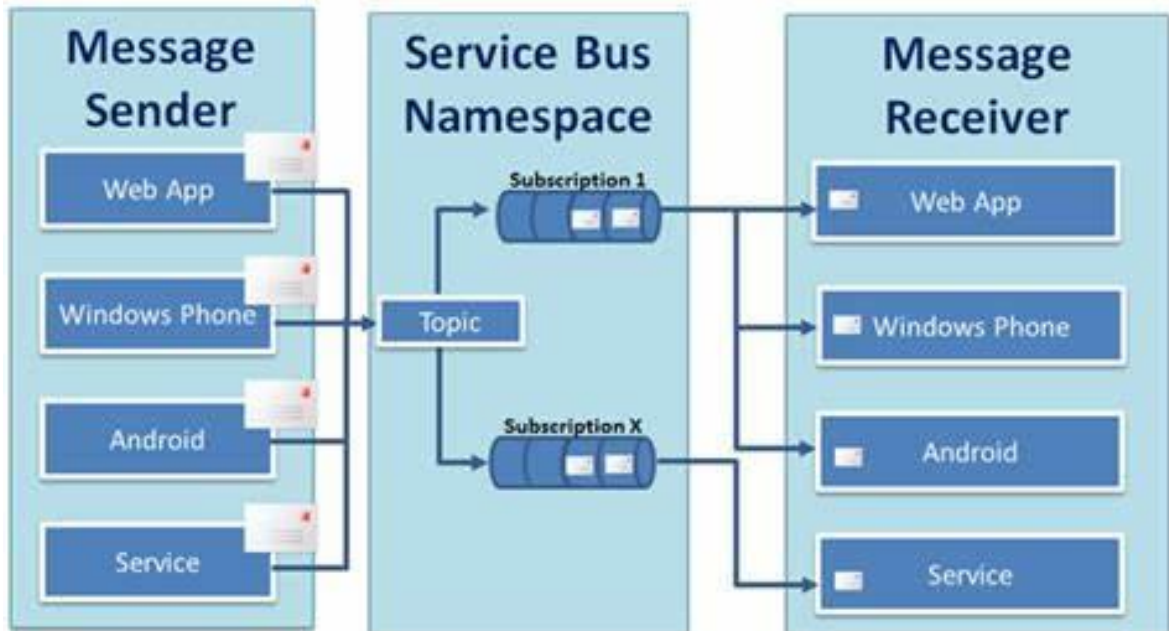
My C.R.U.D: Processing and Path of "Messages & Data" (JSON, XML, Text over HTTP)**Web Apps**

Key Vault: Securing Everything & Active Directory - OAuth**Storage Accounts: What format for how long?**

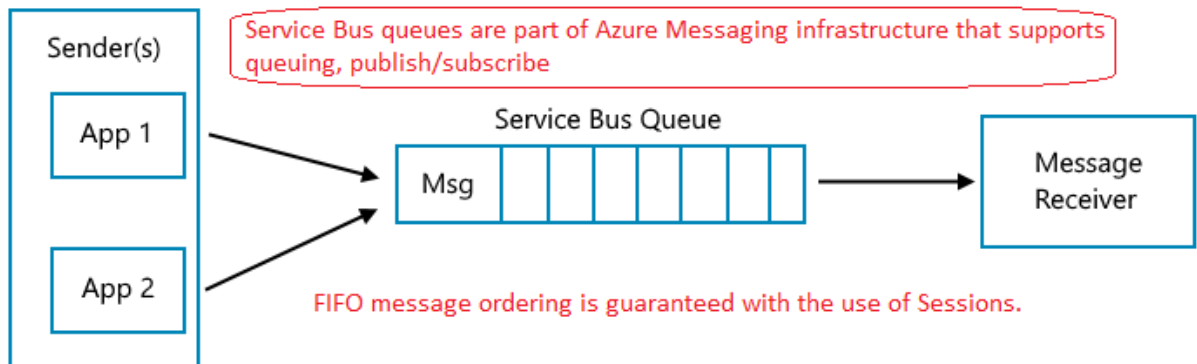
Storage Account Queues: FIFO is not guaranteed

Azure Storage Account Queues:
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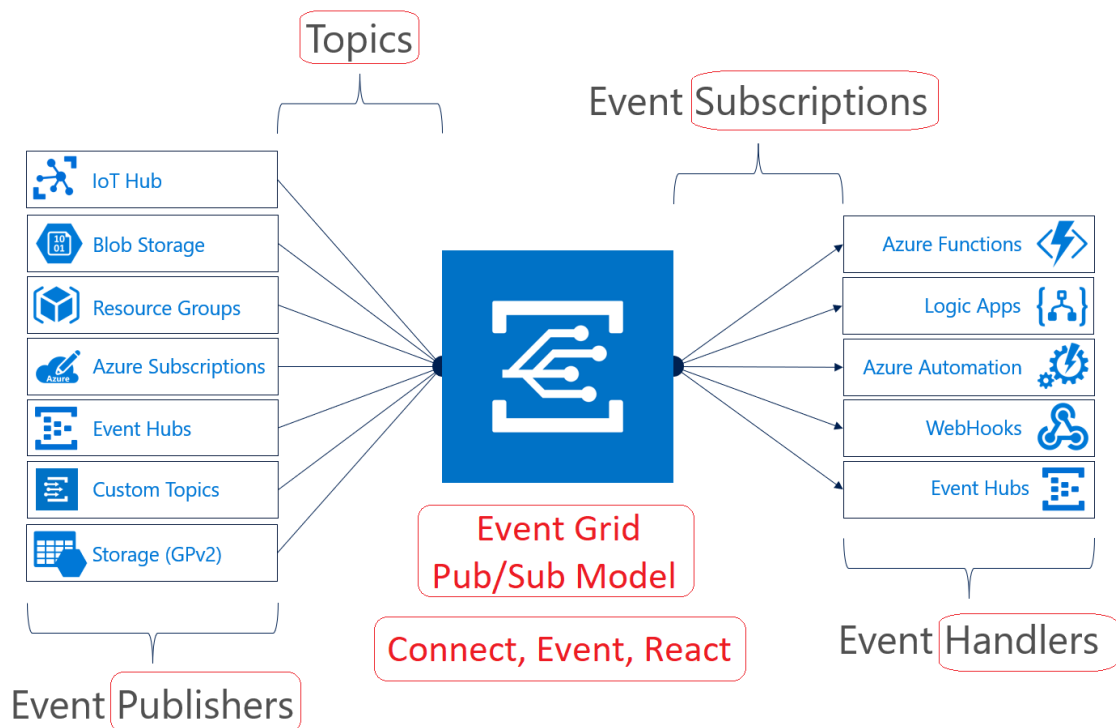
Use Service Bus Queue for FIFO

Service Bus: Pub/Sub - Uses "Namespace"

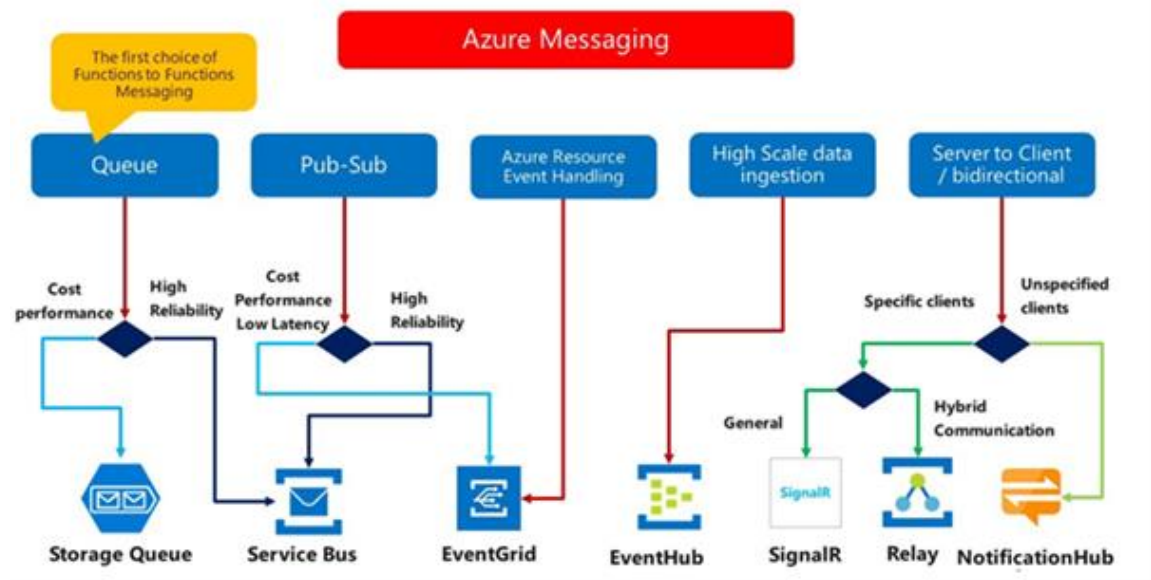
Service Bus Queue: Are part of Azure Messaging infrastructure that supports queuing, publish/subscribe - FIFO message ordering is guaranteed with the use of Sessions.



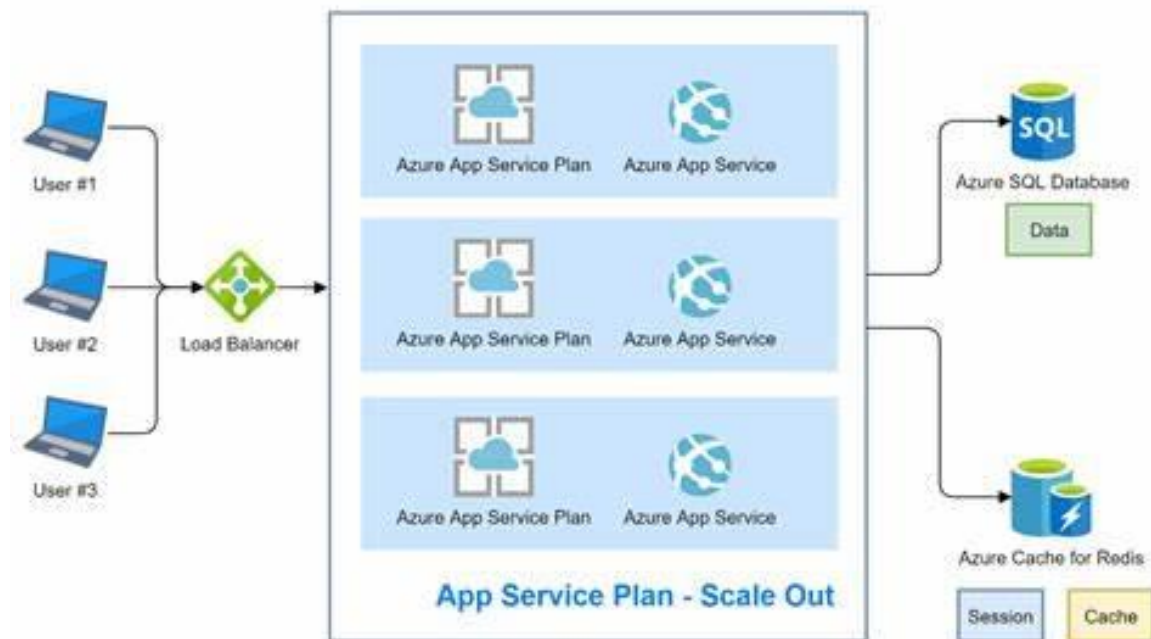
Event Grid: Pub/Sub



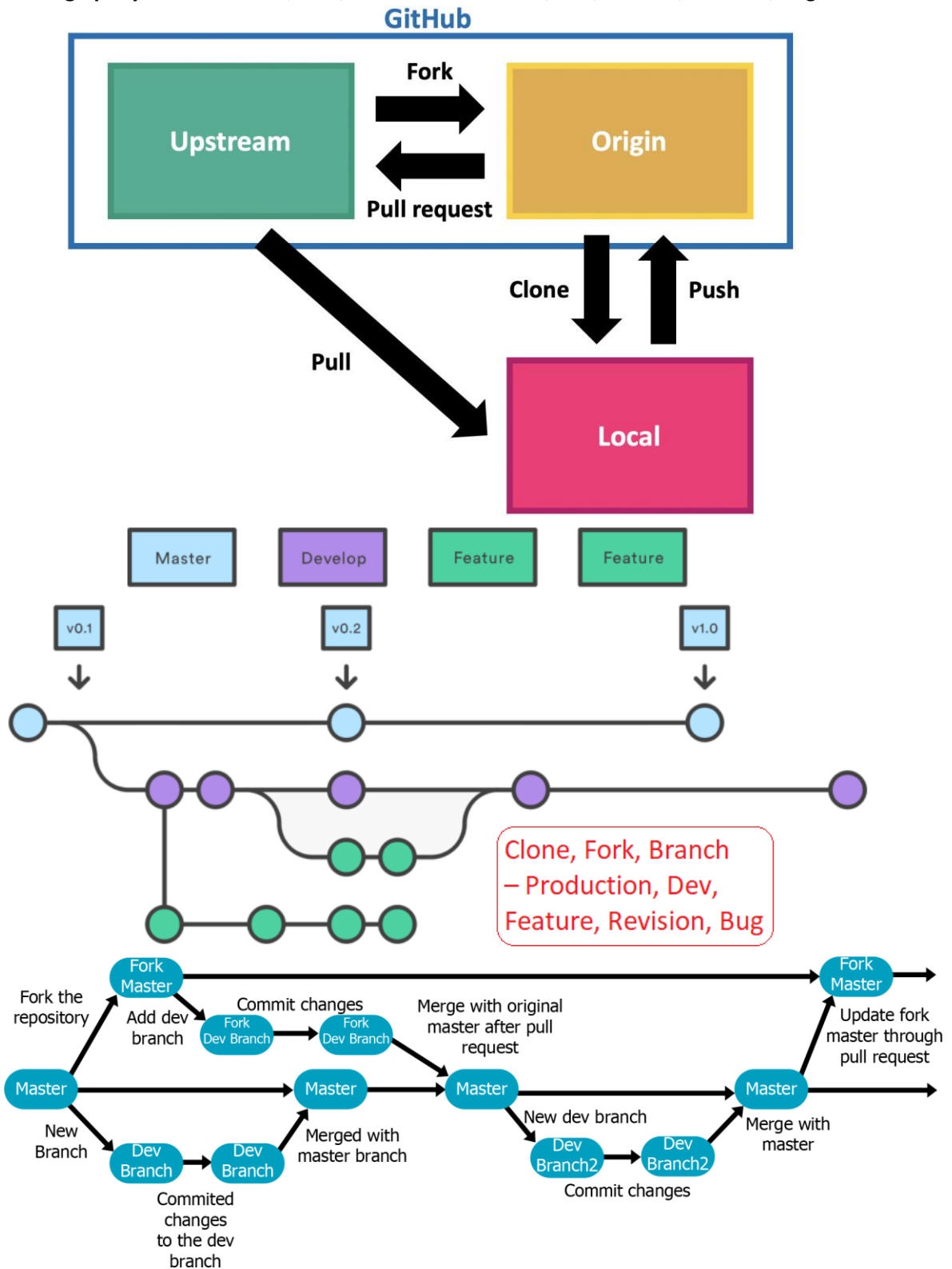
Messaging



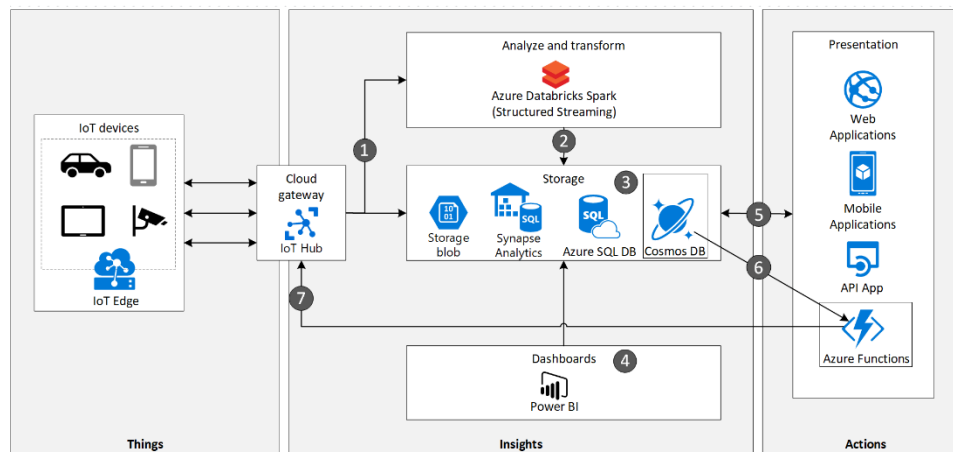
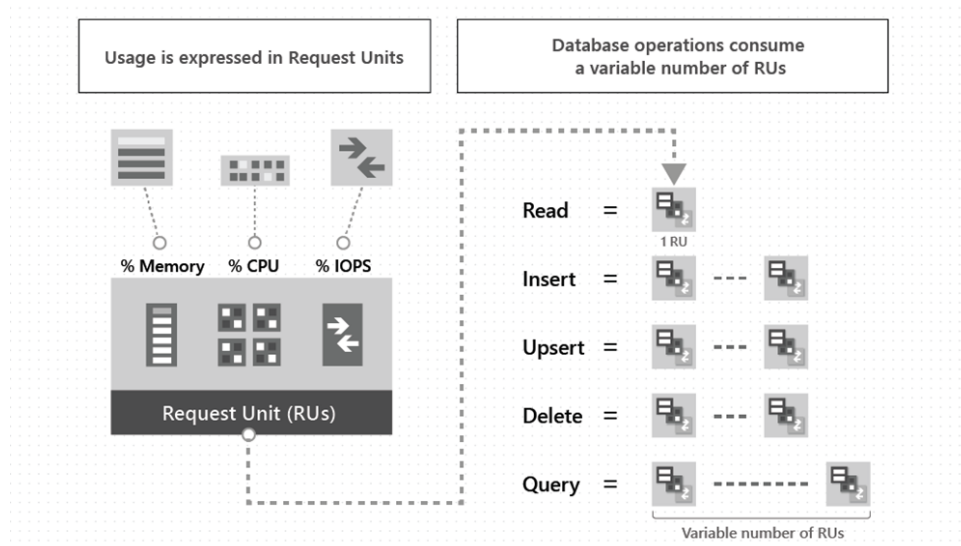
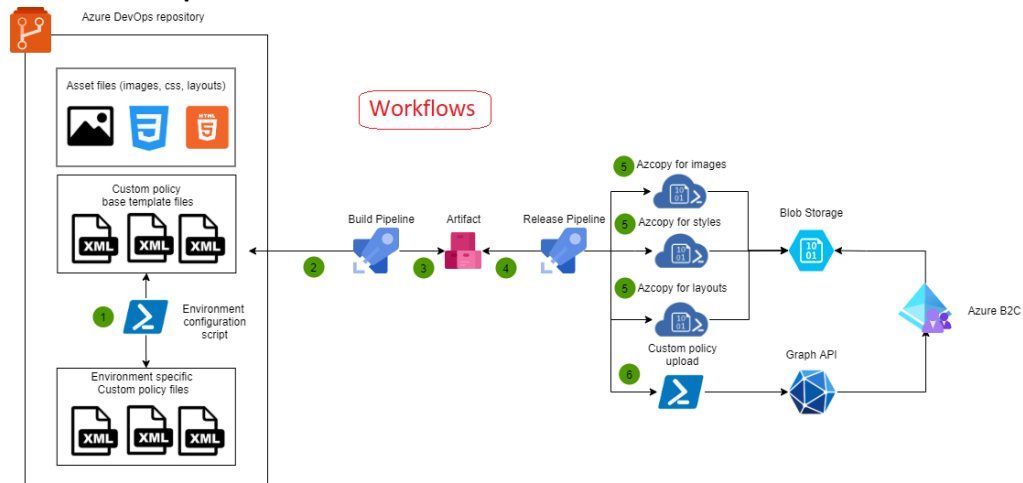
Cache - Scale

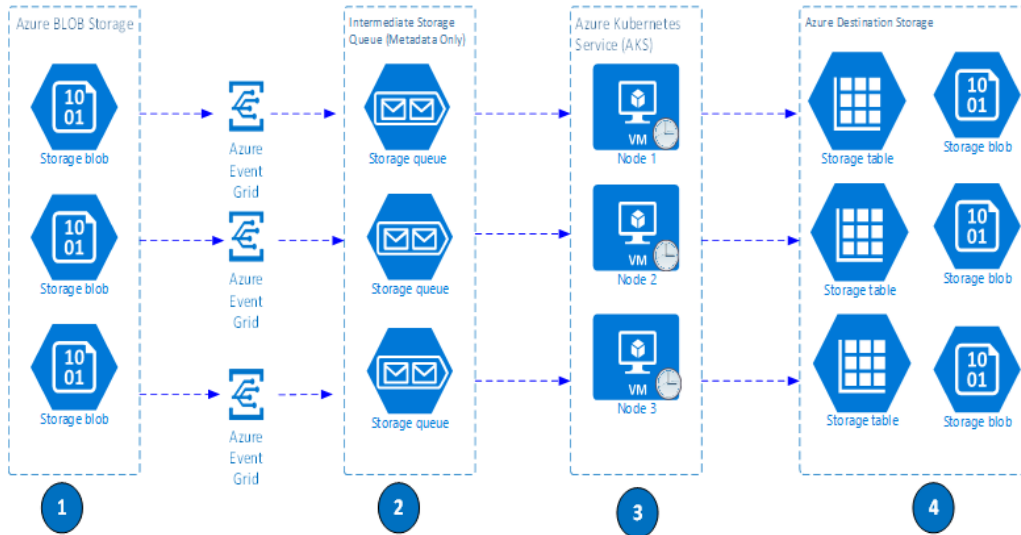


Serving up my Version: Clone, Fork, Branch – Production, Dev, Feature, Revision, Bug



Connect Examples & Discussions





Lead Flow from various sources to the Agent app and Dashboard

