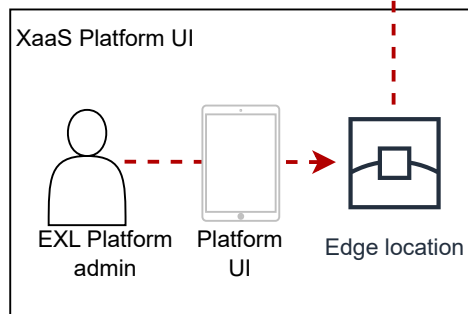
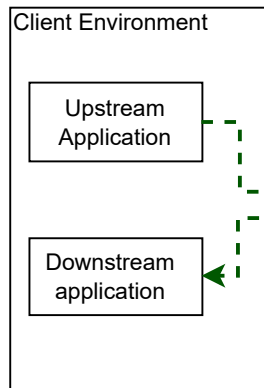
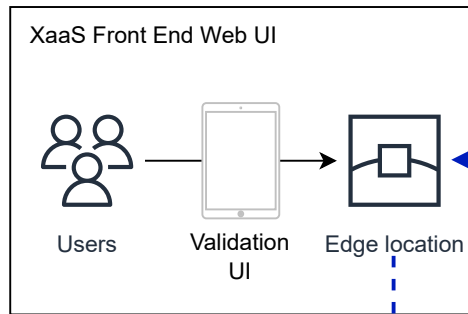


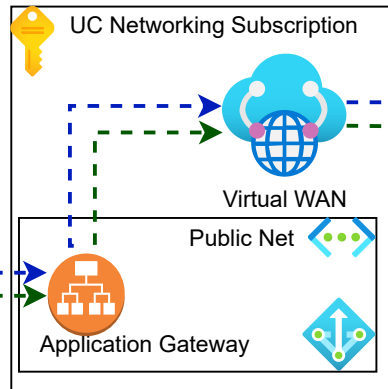
XaaS Validation UI



XaaS Platform Workflow

1. XaaS Platform Admin invokes Platform UI which is hosted on Azure Front Door and the admin is authenticated with Azure AD.
2. The XaaS Platform UI doesn't deal with Client data. This is just to manage the XaaS tenant Onboarding process.
3. The UI connects with API Management in XaaS Platform Services through the WAF
4. The API Management is connected to various Azure Functions and invokes DevOps pipelines to Onboard tenants.

1. XaaS Front end Users invoke Validation UI which is hosted in Front door.
2. UI URL is resolved the WAF by the DNS which forwards the traffic to Application gateway and then to Virtual WAN.
3. Virtual WAN is connected to the front door which authenticates the user's request through Azure AD and showcases the embedded dashboards.



Client App Injection and Extraction

1. Upstream Application calls for Injection API to upload documents which gets resolved to the WAF which then gets forwarded Load Balancer in XaaS subscription through the Application Gateway and Virtual WAN.
2. Ingestion Service is hosted in Container Apps which also calls various other micro services.
3. The documents ingested are stored in data lake.
4. Ingestion Service also calls the Xtrakto Pipeline for data extraction for which the pipeline follows various document processing steps through Functions, Logic Apps and Document Intelligence
5. Xtrakto Pipeline upon the preprocessing calls the Azure ML models and the output is stored in data lake in JSON Format as Extracted data.
6. The Extracted data is accessible for human validation and upon validation the Validated data is sent back to Downstream Application.
7. Metric events from Xtrakto pipeline are sent to Stream analytics to be streamed in real time to Synapse Analytics.
8. This real time analytics are showcased in PowerBI dashboards which are embedded into the Validation UI.

ML Training Subscription

1. Training data for Azure ML models are stored in Azure Data lake which gets pre-processed by a set of Functions, Logic Apps and Document Intelligence
2. Then this data is fed to the Azure ML models for training and then these ML models gets deployed as endpoints in XaaS ML models.

