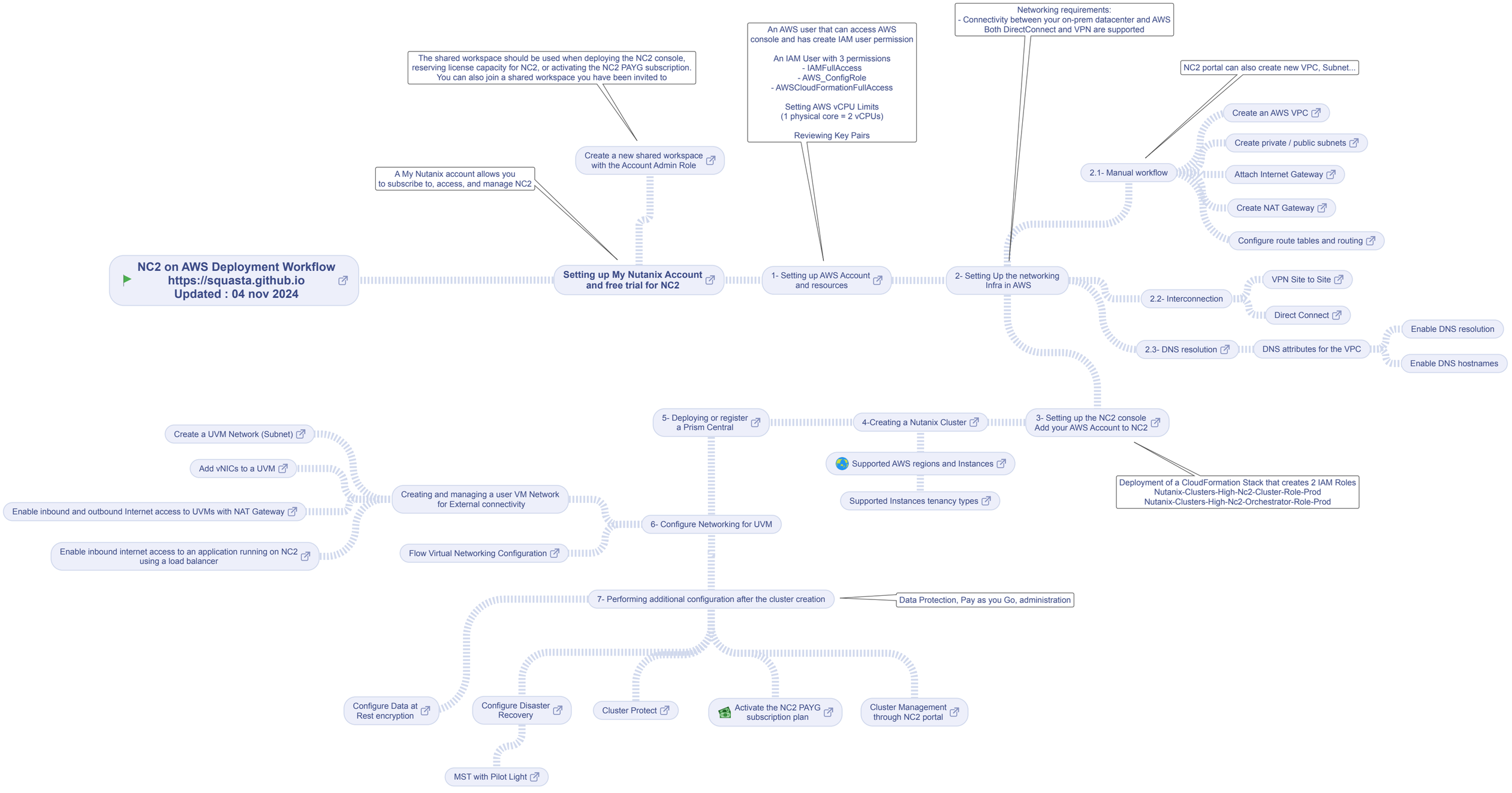
NC2 on AWS Deployment Workflow
https://squasta.github.io
Updated : 04 nov 2024
Setting up My Nutanix Account and free trial for NC2
A My Nutanix account allows you to subscribe to, access, and manage NC2
Create a new shared workspace with the Account Admin Role
The shared workspace should be used when deploying the NC2 console, reserving license capacity for NC2, or activating the NC2 PAYG subscription. You can also join a shared workspace you have been invited to
1- Setting up AWS Account and resources
An AWS user that can access AWS console and has create IAM user permission
An IAM User with 3 permissions
- IAMFullAccess
- AWS_ConfigRole
- AWSCloudFormationFullAccess
Setting AWS vCPU Limits
(1 physical core = 2 vCPUs)
Reviewing Key Pairs
2- Setting Up the networking Infra in AWS
Networking requirements:
- Connectivity between your on-prem datacenter and AWS
Both DirectConnect and VPN are supported
2.1- Manual workflow
NC2 portal can also create new VPC, Subnet...
Create an AWS VPC
Create private / public subnets
Attach Internet Gateway
Create NAT Gateway
Configure route tables and routing
2.2- Interconnection
VPN Site to Site
Direct Connect
2.3- DNS resolution
DNS attributes for the VPC
Enable DNS resolution
Enable DNS hostnames
3- Setting up the NC2 console
Add your AWS Account to NC2
Deployment of a CloudFormation Stack that creates 2 IAM Roles
Nutanix-Clusters-High-Nc2-Cluster-Role-Prod
Nutanix-Clusters-High-Nc2-Orchestrator-Role-Prod
4-Creating a Nutanix Cluster
Supported AWS regions and Instances
Supported Instances tenancy types
5- Deploying or register a Prism Central
6- Configure Networking for UVM
Creating and managing a user VM Network for External connectivity
Create a UVM Network (Subnet)
Add vNICs to a UVM
Enable inbound and outbound Internet access to UVMs with NAT Gateway
Enable inbound internet access to an application running on NC2 using a load balancer
Flow Virtual Networking Configuration
7- Performing additional configuration after the cluster creation
Data Protection, Pay as you Go, administration
Configure Data at Rest encryption
Configure Disaster Recovery
MST with Pilot Light
Cluster Protect
Activate the NC2 PAYG subscription plan
Cluster Management through NC2 portal