

2020-09-14 - Deployment - OARS Production

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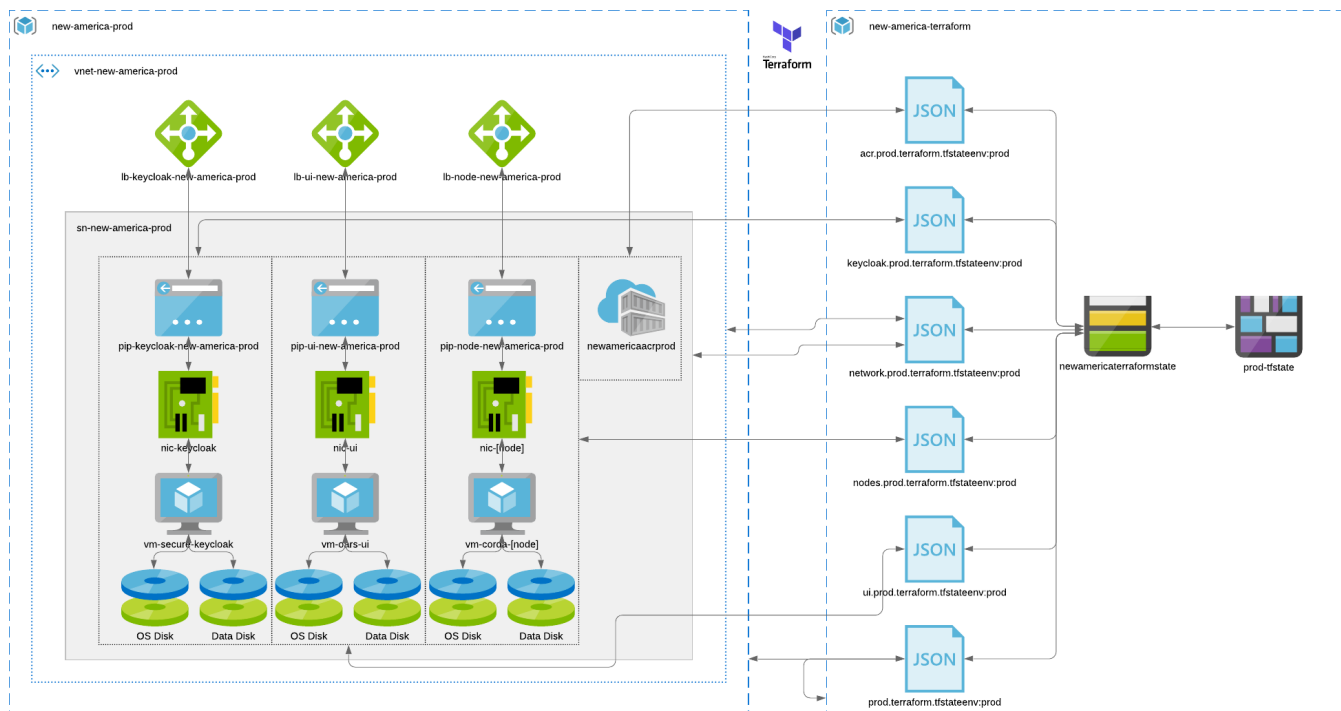
Overview

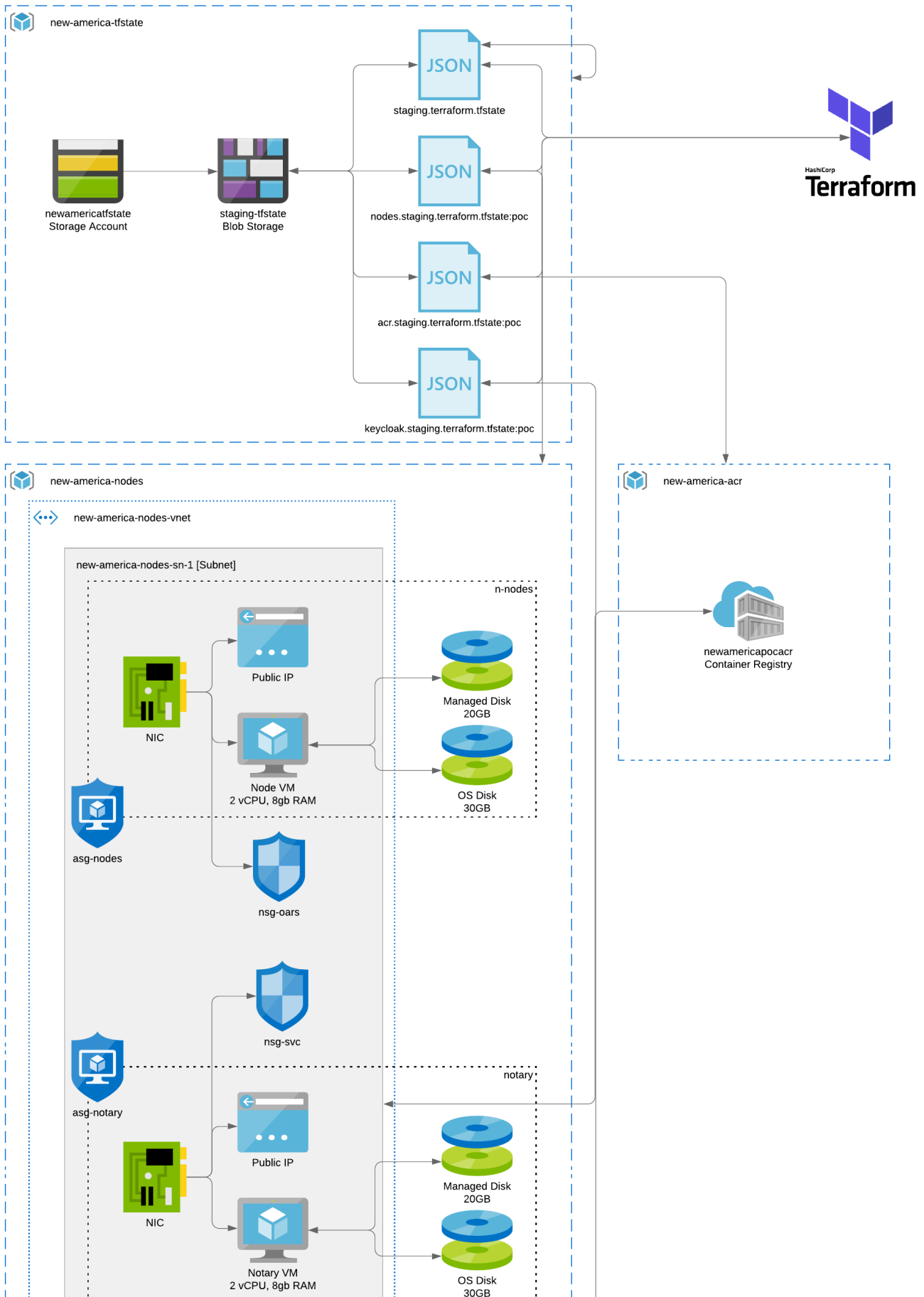
The Proof-of-Concept deployment for OARS consists of a bootstrapped network deployed on Azure. A bootstrapped network does not require the use of CENM components.

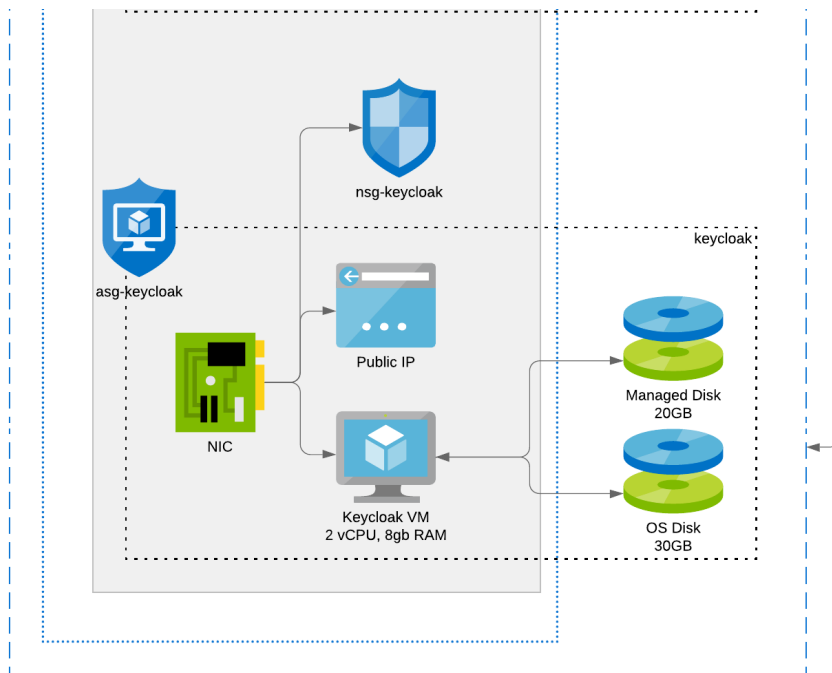
Terraform is used to deploy and manage infrastructure and can be found [here](#).

Ansible configuration management deploys the necessary material for Corda Nodes, API and Frontend and Keycloak. The code can be found [here](#).

Deployment Diagram







Network

DNS Information

Role	DNS	Exposed Ports
Frontend (UI)	http://oars.eastus.cloudapp.azure.com	80 22000 (SSH)
Keycloak	http://secure-oars.eastus.cloudapp.azure.com	80 22000 (SSH)
Nodes (API + P2P)	http://node-oars.eastus.cloudapp.azure.com	8080 (API) See table below for SSH ports. See table below for P2P ports.

Node	P2P Port	SSH Port	API Port
US Department of State	10100	22100	10100
US Department of Justice	10200	22200	10200
US CSO	10300	22300	10300
Catan Ministry of Justice	10600	22600	10600
Catan Ministry of Foreign Affairs	10500	22500	10500
Catan Treasury	10800	22800	10800
Catan CSO	10700	22700	10700
New America	10900	22900	10900
Notary	10000	22000	

UI Log In Details

Group	Node	Username	Password
Catan Ministry of Education	catanmoe	Jen.Stevens	A1JbyuAD
Catan Ministry of Justice	catanmoj	Doug.Yu	D2JryxaZ
Catan Treasury	catantreasury	Ben.Green	Hyz76l2X3AW
Catan Treasury	catantreasury	Odette.Mantram	WhqvSDMD
US Department of Justice	usdoj	Marina.Smith	q3j9baJ
US Department of Justice	usdoj	Tobi.Goad	4HUk9dnFI
US Department of Justice	usdoj	Nadia.Rossoni	e6hEE9
US Department of State	usdos	Jill.Sanders	HJvkAk
US Department of State	usdos	Chris.Blackham	BIMH0M5lsKdm
US Department of State	usdos	Ryley.Drewson	DzqNWXdtoU35
US CSO	uscso	Bruce.Phillips	disOI13
Catan CSO	catancso	Tom.Walker	hbwr09x
New America	newamerica	Jack.Ryan	ik83ofg

Corda Node

Version

Open-Source 4.5

Docker Image

corda/corda-zulu-java1.8-4.5