RDP CLOUD PORTAL APP

JAVA API CLIENT FOR DOCKER

www.rdp-azure.com

HOSTED ON AZURE

Internet

www.rdpapc.com

DOCKER SWARM MANAGER

NETWORK SWITCH

ETH0

SWARM MANAGER PI 1

APP: nginX (WITH REVERSE PROXY)

APP: DOCKER VISUALIZER

PROXY FROM www.rdp.api.com TO PRIVATE 10.0.X.X NETWORK

DOCKER WORKER SWARM

10.0.0.0/24

ETH0

SWARM WORKER PI 2

10.0.0.1

ETH0

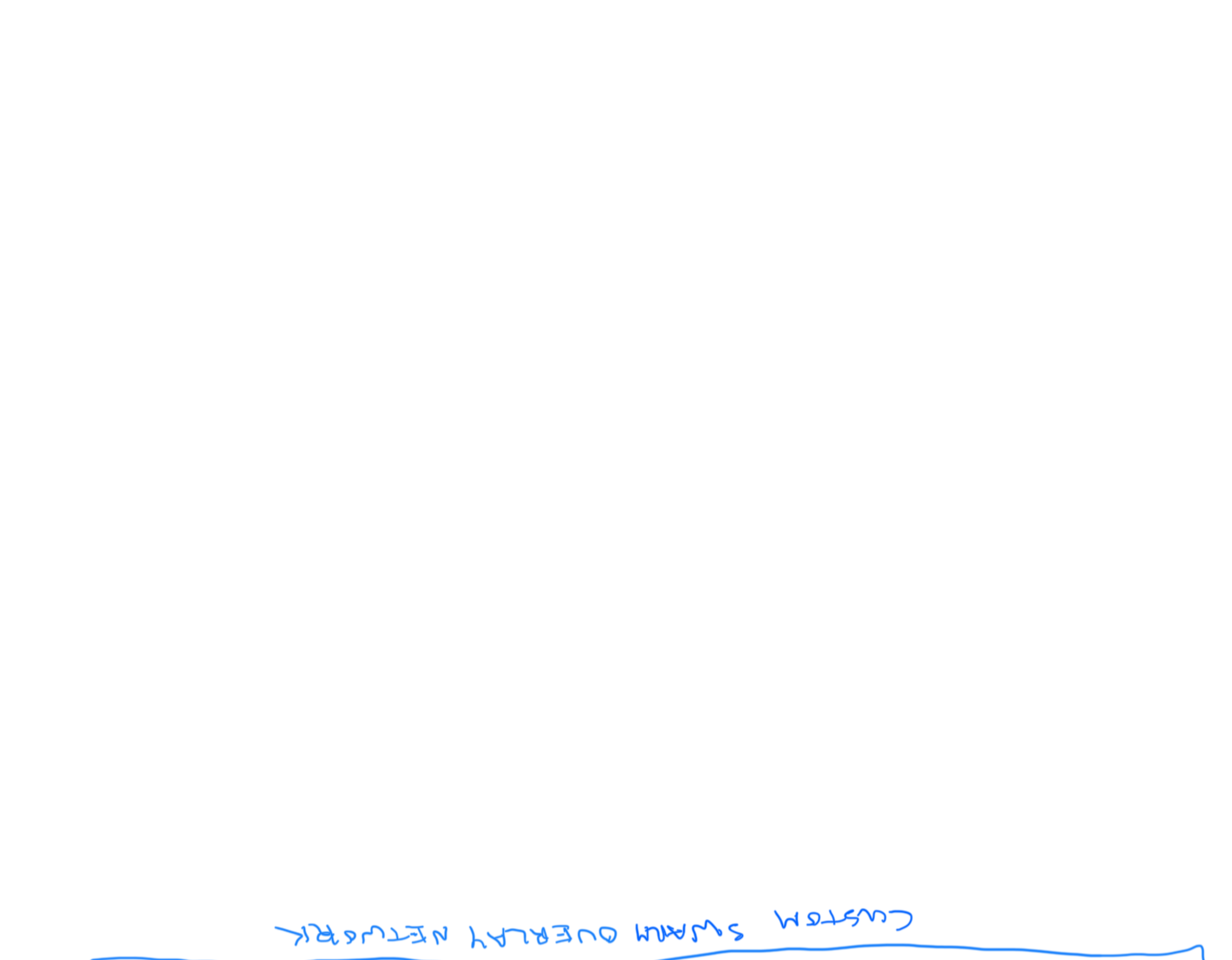
SWARM WORKER PI 3

10.0.0.2

ETH0

SWARM WORKER PI 4

10.0.0.3


Custom Swarm Overlay Network

#2

RDP CLOUD PORTAL APP
JAVA API CLIENT FOR DOCKER

HOSTED ON LOCAL PC

GCU WIFI

GCU IP

DOCKER SWARM MANAGER

WIFI

SWARM MANAGER PI 1

APP: nginX (WITH REVERSE PROXY)

APP: DOCKER VISUALIZER

ETH0

10.0.0.0/24

NETWORK SWITCH

PROXY FROM GCU IP TO PRIVATE 10.0.X.X NETWORK

DOCKER WORKER SWARM

ETH0

SWARM WORKER PI 2

10.0.0.1

ETH0

SWARM WORKER PI 3

10.0.0.2

ETH0

SWARM WORKER PI 4

10.0.0.3

CUSTOM SWARM OVERLAY NETWORK
BY DEFAULT ingress AT 10.255.0.0/16

TODO:

- [ ] Per design #2,Should we setup I-tables and route Wifi on master to Ethernet port and then feed that to the WAN Switch Port? Or should we do #! Design?
- [ ] Figure out a hostname DNS strategy
- [ ] How to return the Containers IP Address...we are in a Swarm though? I think this is where DNS does in since we should communicate only thru the Manager.
- [ ] Figure out how to return the IP Address and credentials for a Database Container.
- [ ] Need Service naming convention for uniqueness (App Stack-User ID-Timestamp)