* We will walk through the following:

# Steps to update/get Astra Policies

* Clone *astra* repo

<https://codecloud.web.att.com/projects/ST_NCPOLICIES/repos/test/browse>

* Identify who needs Read access to this repo :

Serge hrid sk607s – Send email to Sean.

***Do we need a MechId if these is this something will do from some automation?***

## Deal with Global level policies

* Run CorridorMgr.py
* Generates ***aic-clcp-manifests/globa/v4.0/corridors/… corridor(files)*** updated

***policy***:

***astra***:

***priority***: 0

***rules***:   ## Need to determine if the rules can remain as they are “strings” or we need to change that. Chris was going to check.

* Identifies Site specific policies that will be updated at site level
  + Separate (this doesn’t go into the corridor-<number>.yaml
  + ????

What should we do with these file(s)?

Expectation is these file(s) will be used in the **SitePolicyMgr** run described below.

## For Site Level Policy Artifacts

1. Identify site ***SITENAME***
2. Run SitePolicyMgr.py -s SITENAME

* Generates ***aic-clcp-site-manifests/site/SITENAME/software/charts/kubernetes/container-networking/policies.yaml,*** based on the contents of site specific Baremetal Yamls, and Interface name for appropriate interface from
* This file will include :

    policy:

        sitelevel:

            priority: 5

            rules: []  ## Rules Identified as Site specific during CorridorMgr run perhaps TBD

        hosts:

            priority: 9

            rules: []  ## All HostEndpoints for the Site SITENAME , given its entries on Baremetal files

## Changes on Schemas

* Updated Corridor Schema at ***aic-clcp-manifests/globa/v4.0/schemas/nc/CorridorConfig/v1.yaml***
* ***Added Policy object***

**policy**:

**type**: object

**additionalProperties**: true

* Created Policy Schema at ***aic-clcp-manifests/globa/v4.0/schemas/nc/Policy/vi.yaml***

---

**schema**: deckhand/DataSchema/v1

**metadata**:

**schema**: metadata/Control/v1

**name**: nc/Policy/v1

**data**:

  $schema: [http://json-schema.org/schema#](http://json-schema.org/schema)

**type**: object

**properties**:

**policy**:

**type**: object

**additionalProperties**: true

...

* Package
* 2 python scripts:
* SitePolicyMgr.py
* CorridorMgr.py

1 yaml config file

* 3 yaml text templates for (HostEndPoint.yaml, Policy.yaml, CorridorPolicy.yaml)

# List of Issues

* What is the process to deal with Calico ***GlobalNetworkPolicies*** that do not work
  + Interim comment out policy from corridor or policy yaml as appropriate
  + Notify Astra team via Muzammil Muen / Rodolfo Pacheco (\*\*)
* Testing (What is the scope)
  + Small scope Day 1
    - Just test that a small number of randomly (as feasible to test) selected policies work (ingress and egress)
  + Day 2. Need to work on a long-term testing framework for this
    - Discuss in Design Call – include AQUA team.