Deployment Policy Extra Exercise - Summary

The intention of this exercise is to give students the opportunity of working with DataPower Deployment Policy objects.
These are used in conjunction with exported configurations, when being imported into another domain / appliance. Deployment Policy objects provide the capability of changing settings of services and related objects being imported, e.g. ip addresses, ports, MQ manager names, SLM settings, etc.

Sequence

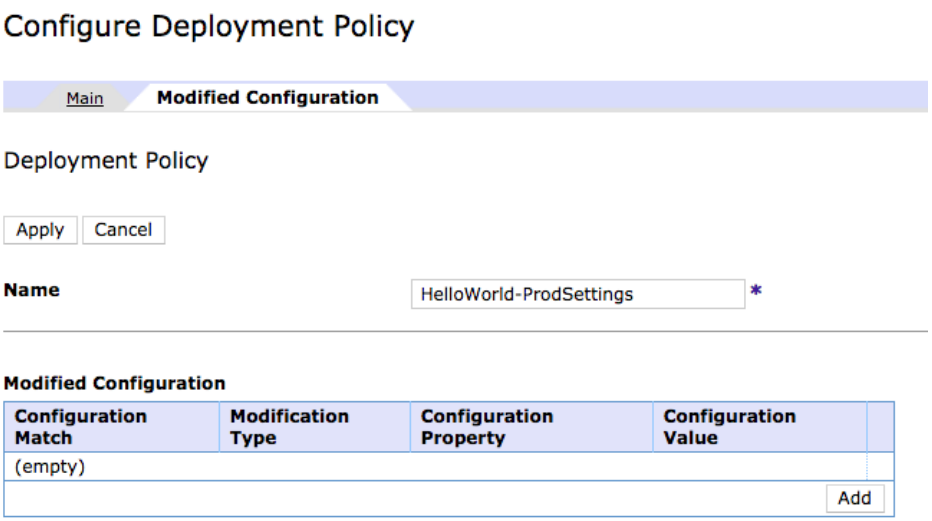
Export the source domain (e.g. containing development environment services) into a ZIP file.
Create the Deployment Policy objects and export these into a separate ZIP file containing only these objects.
Import the Deployment Policy objects into the target domain.
Import the services ZIP file, but applying the Deployment Policy objects to change service setting on import.
Remove Deployment Policy objects from the target domain?

This exercise presumes:

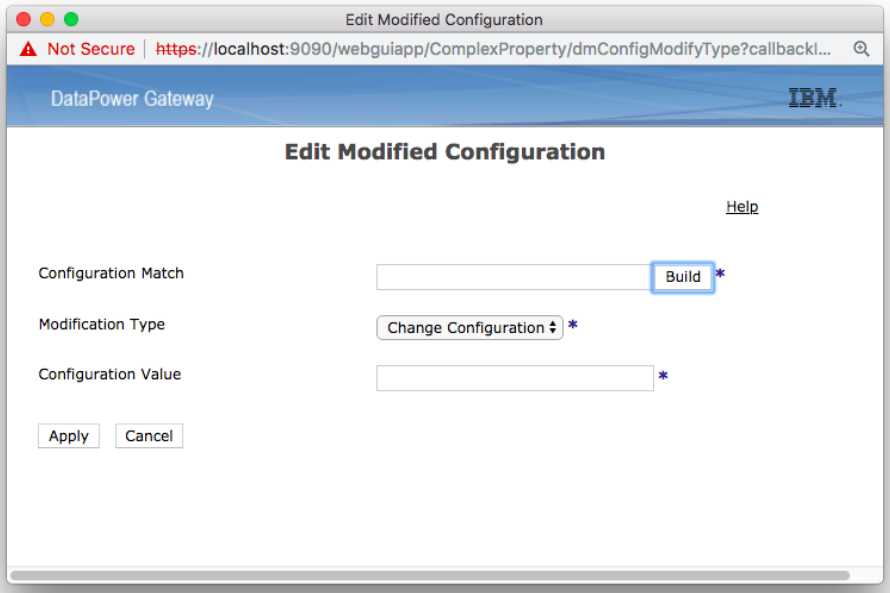
- you have already exported from the source domain the single MPGW *HelloWorld* to a file HelloWorldMPGW.zip
- you have created an appropriately named target domain (c.f. a "production" domain)

Sample Screens

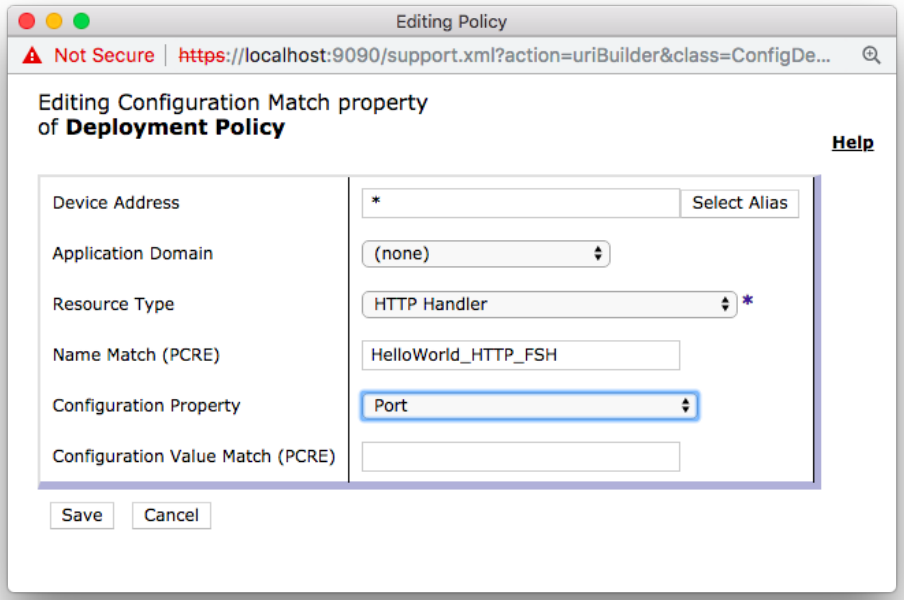
Create the Deployment Policy:



Add an entry to the Modified Configuration list and use *Change Configuration*:



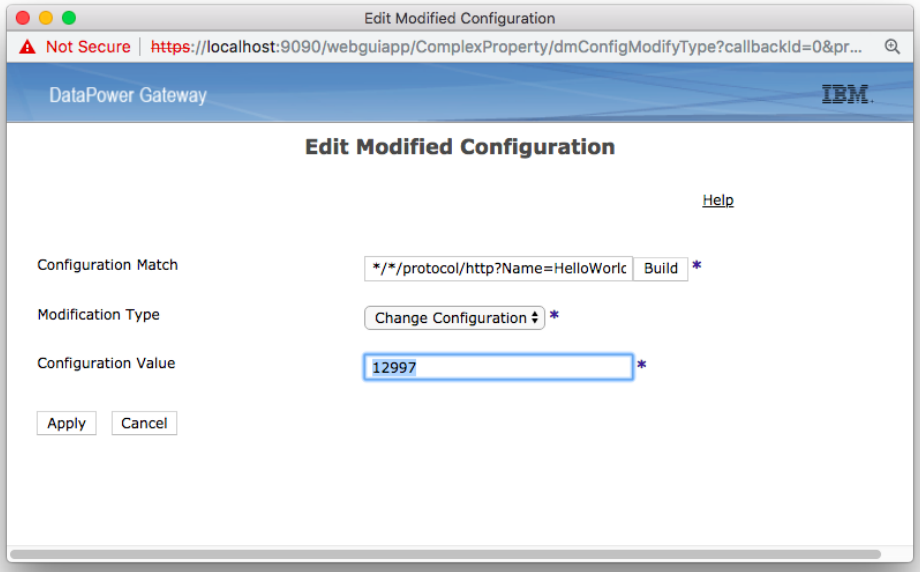
Click *Build* to use the Build tool and supply the *Configuration Match* information:



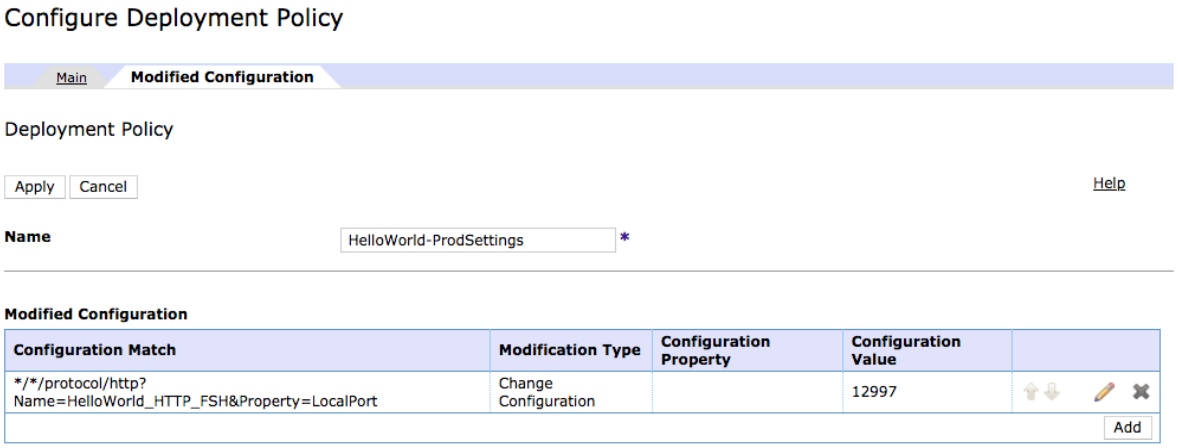
Save the *Configuration Match* window to return to the prior page and enter in the new value to be used on an import.

Note:

- *Modification Type* is *Change Configuration*
- New value placed below in *Configuration Value*

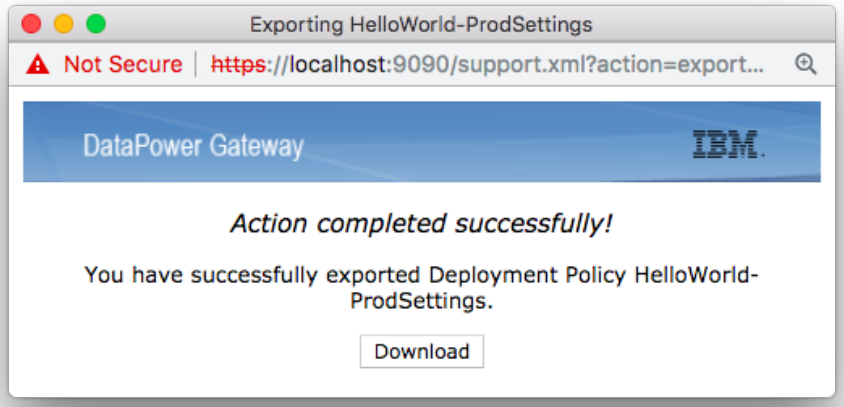


Apply the settings to add an entry to the list:



Apply to save the Deployment Policy object.

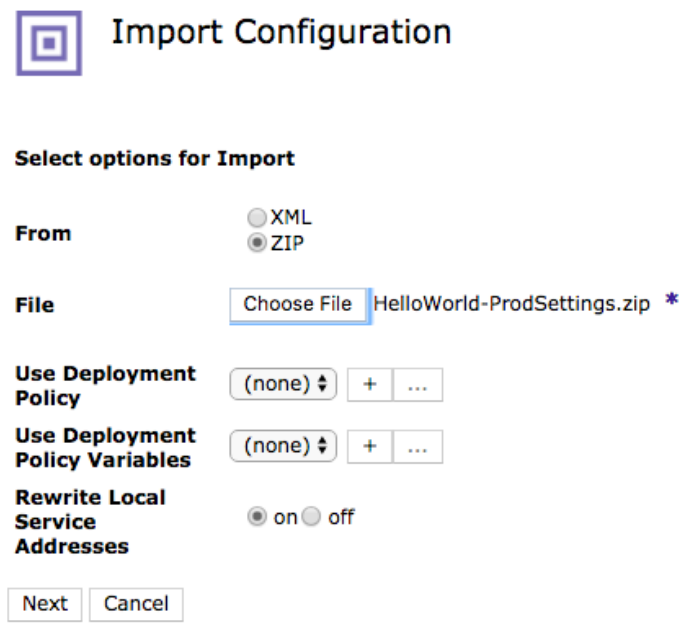
Export the Deployment Policy object (there's a link to do this on that object's page):



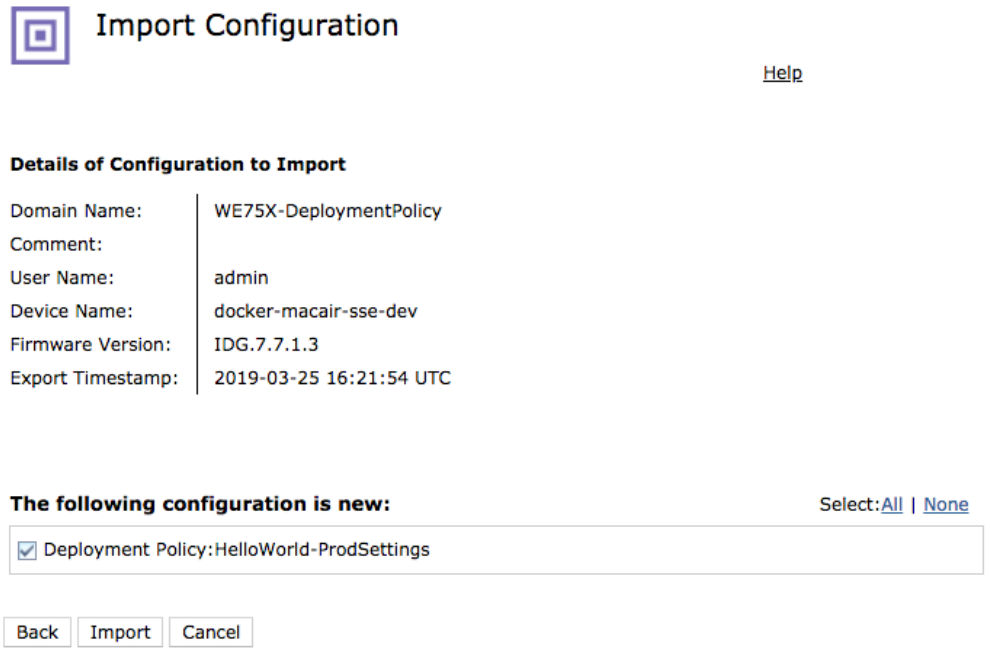
Note the location on your workstation of the ZIP of the Deployment Policy object.

Now switch to the target domain.

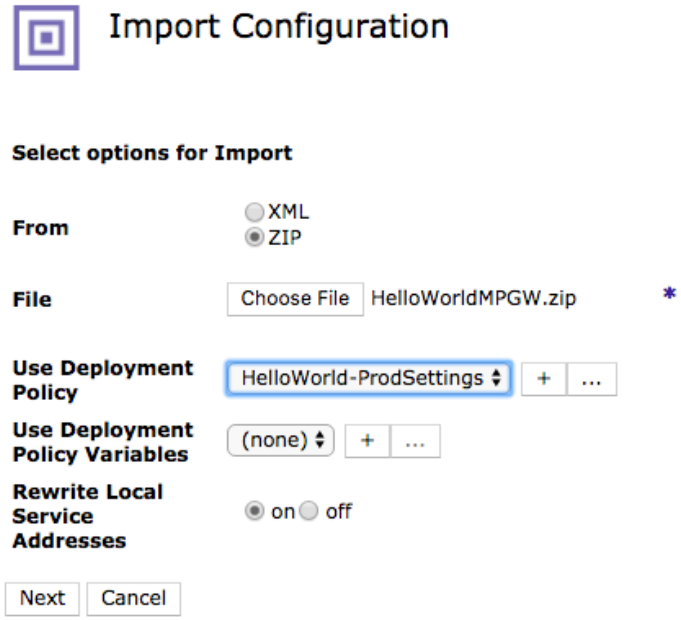
Import the Deployment Policy object into the target domain:



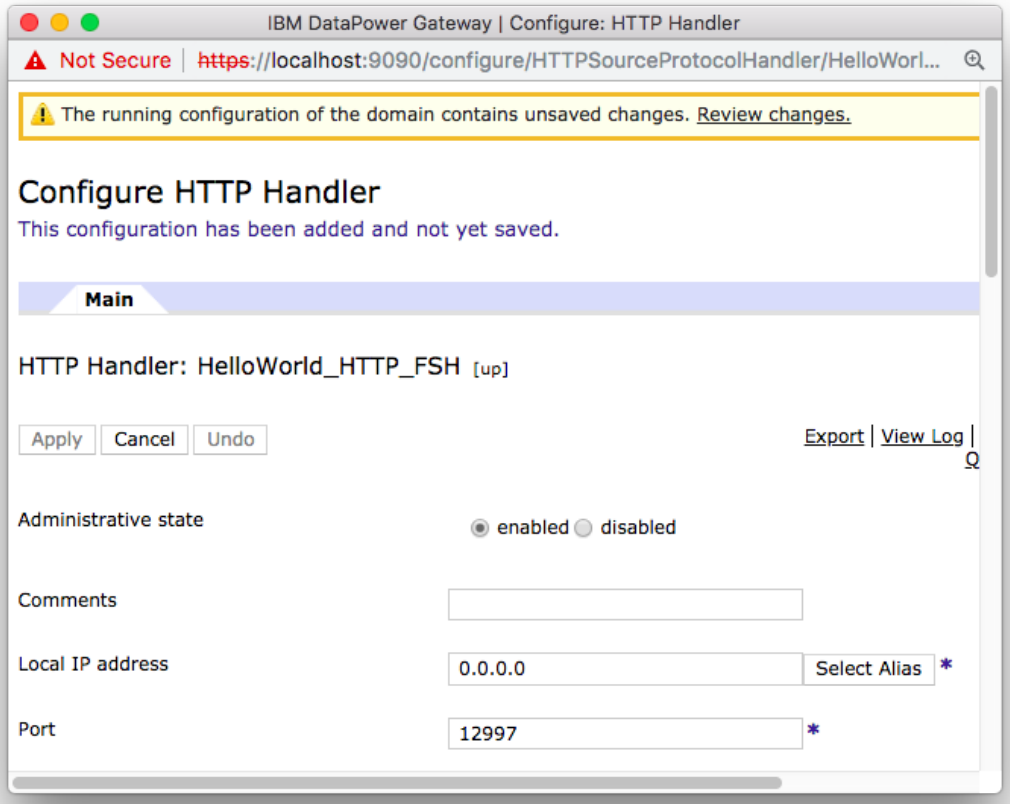
On import completion, you will see the object you have imported (a Deployment Policy object):



Now that the Deployment Policy object has been imported, it can be used on the import of the services export ZIP file:



Inspecting the HTTP handler of the imported service into the target domain, you should see that the port number has been changed to what was defined in the Deployment Policy object:



Coming From WE761 Course

If you starting this attending the WE761 Admin course, then here are some possible tips

- download HelloWorldMPGW.zip in GTT Materials
  - try this exercise in your own Docker-based DataPower
  - this is preparation for Extra Exercise "Using Deployment Policy objects"
  - before starting above exercise:
    - create domains "development" and "production"
    - import the HelloWorldMPGW.zip into "development" domain
    - change the HelloWorld_HTTP_FSH port to 12017 (from 7538)
    - test the configuration of the "development" domain with:
      - $ curl http://localhost:12017/xsl
      - $ curl http://localhost:12017/javascript
    - view the responses for each of the above
    - look at entries in the system log the code in the MPGW causes

        - now follow Extra Exercise "Using Deployment Policy objects"
      - if using DataPower on Docker, ensure port 12997 available,
        if not, use Kitematic to add it ("Settings / Hostname / Ports")
    - test the configuration in the "production" domain with:
      - $ curl http://localhost:12997/xsl
      - $ curl http://localhost:12997/javascript