

# ACM and Search Framework Demo

1. Use the `SEARCH_TEMPLATE` ACM plugin
2. Configure a 3 node cluster (pre-configured)
3. Remove previously deployed PTSF data

This removes it from the PSTF\* tables, but not Elasticsearch

4. Deploy ALL indexes and start a full build for each
5. Show the run controls for the builds (full and incr)

# Cerebro Demo

1. [Access Cerebro URL](#)
2. Start Overview of features
  1. Show shard allocation
  2. Update index settings
  3. Yellow/Green/Red status

# Replicas Demo

1. Cerebro Set Replica
2. Deploy Index Page (need to undeploy/override)
3. Search Options Page

Set the global replicas to 1 and redeploy all indexes for next demo

4. `orcl_es_acl` - takes the highest replica setting - do not manage directly

# Shard Movement Demo

1. Stop ES on a node
2. Watch shard movement in Cerebro

ES will rebalance shards if a node goes down - required replicas already set so data has a copy on available nodes

# Capture Search Requests Demo

1. In the Search Options page, add `PS` to the "Log ES requests for User ID" field
2. Run a search and view the trace file on the app server
3. Start `mitmproxy`

```
mitmproxy --listen-port 9200 --mode reverse:http://ec2-34-203-252-37.compute-1.amazonaws.com:9200
```

4. Configure the Search Instance to use `localhost:9200`
5. Test a few searches
6. In the Dev Console (in Kibana), configure the "slowlog" settings

```
PUT /ptportalregistry_psftdb/_settings
{"index.indexing.slowlog.threshold.index.debug": "0s",
 "index.search.slowlog.threshold.fetch.debug" : "0s",
 "index.search.slowlog.threshold.query.debug": "0s"}
```

7. View the search results in the `ESCLUSTER_index_search_slowlog.log`

# Callback Security Demo

## 1. View documents raw in Elasticsearch

```
curl -u esadmin:Passw0rd!  
http://localhost:9200/ptportalregistry_psftdb/_search?  
pretty=true -H 'Content-Type: application/json;  
encoding="UTF-8"' -H 'SearchUser: PS' | jq
```

## 2. View callback filter

```
curl -u PS:PS http://ec2-3-82-138-233.compute-  
1.amazonaws.com:8000/PSIGW/RESTListeningConnector/PSFT_HR/get  
securityvalues.v1/?type=ptportalregistry_psftdb?user=PS?  
attribute=PORTAL_SECTYPE_ORCL_ES_ACL | jq
```

# Cached Security Demo

1. Use `curl` to query the `orcl_es_acl` index

```
curl -u esadmin:Passw0rd! http://ec2-34-239-103-132.compute-1.amazonaws.com:9200/orcl_es_acl/_search?pretty=true&size=50
```

# Full Build Tuning Demo

1. Under PT > Search Framework > Admin > Search Options
2. Ensure DirectTransfer is set to
3. In Cerebro, adjust the  and  settings for an index
4. In Kibana, use the Dev Tools for the same settings

```
PUT /pt_portalregistry_psftdb/_settings
{
  "index" : {
    "number_of_replicas" : 0,
    "refresh_interval" : "-1"
  }
}
```

5. After the Full Build

```
PUT /pt_portalregistry_psftdb/_settings
{
  "index" : {
    "number_of_replicas" : 1,
    "refresh_interval" : "30s"
  }
}
```

[flush and refresh operations in Elasticsearch](#)



# Limiting Search Data Demo

1. Under PT > Search Framework > Designer > Search Defn
2. Open a Search Defn > Advanced tab
3. Set to 120 days
4. Run a full build for that index - notice the date criteria

