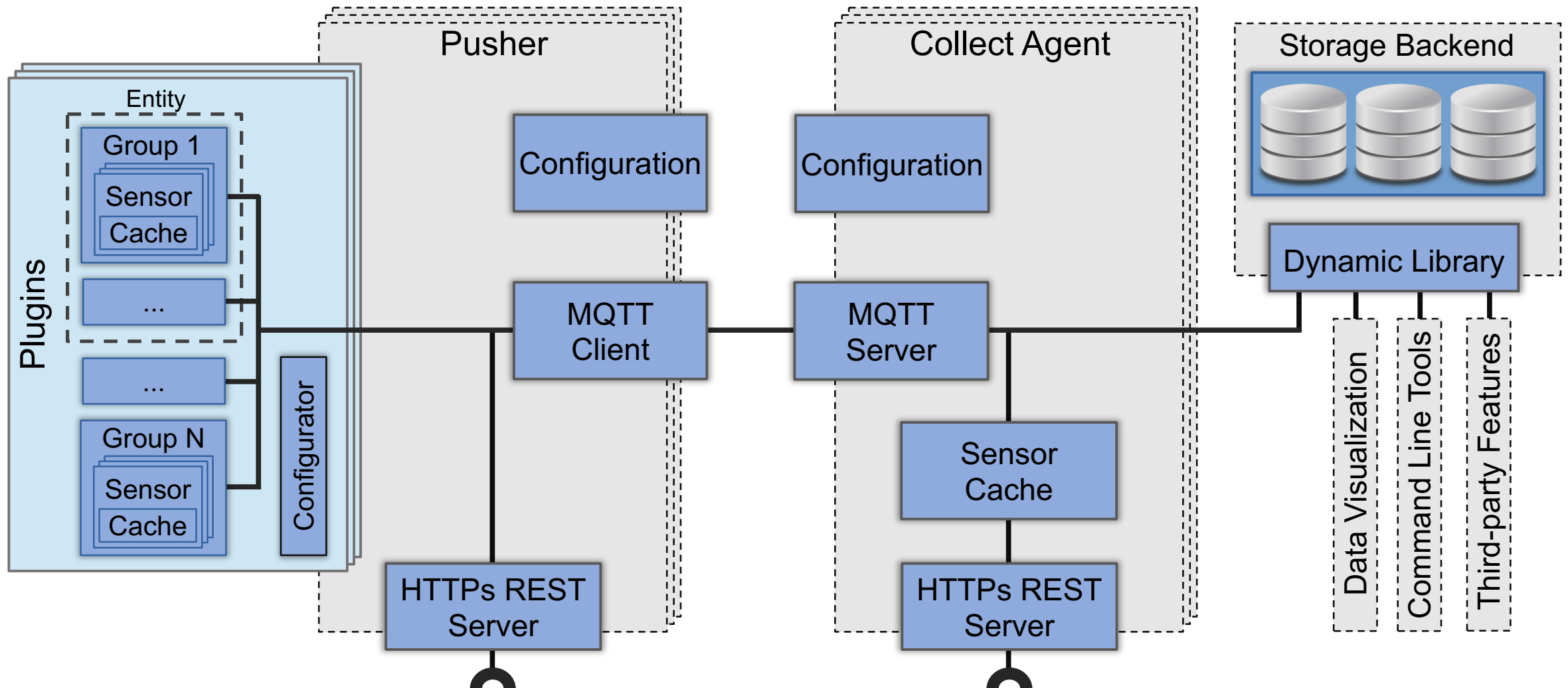


DCDB 101

BEAST Lab Course | 26/10/2023 | Michael Ott

DCDB Architecture



Environment



```
lu78mod2@beast-gw:~> env | grep DCDB  
DCDB_HOSTNAME=stor
```

dcdbconfig sensor list



```
lu78mod2@beast-gw:~> dcdbconfig sensor list|grep '/beast.*/power_ac'  
/beast/cs1-8/power_ac  
/beast/coop1/power_ac  
/beast/ibswitch/power_ac  
/beast/ipmiswitch/power_ac  
/beast/bb-002/power_ac  
/beast/qfpga01/power_ac  
/beast/ice11/power_ac  
/beast/gw/power_ac  
/beast/qfpga02/power_ac  
/beast/switch/power_ac  
/beast/arm01/power_ac  
/beast/stor/power_ac  
/beast/ice1/power_ac  
/beast/rome1/power_ac
```

dcdbconfig sensor show



```
lu78mod2@beast-gw:~> dcdbconfig sensor show /beast/ice1/power_ac  
dcdbconfig 0.5.104-gba8517cb (libdcdb 0.5.104-gba8517cb)
```

Details for virtual sensor /beast/ice1/power_ac:

Expression: /beast/pdu7/power6+/beast/pdu8/power6

T-Zero: 2022-01-01T02:00:00.000000000 (1640998800000000000)

Description:

Unit: W

Scaling factor: 1

Operations:

Interval: 30000000000

TTL: 0

Sensor Properties:

dcdbquery (1/2)



```
lu78mod2@beast-gw:~> dcdbquery /beast/ice1/power_ac now-3m now  
dcdbquery 0.5.104-gba8517cb (libdcdb 0.5.104-gba8517cb)
```

```
sensor(/beast/pdu7/power6) sensor(/beast/pdu8/power6) add  
Sensor,Time,Value (W)  
/beast/ice1/power_ac,2023-10-26T15:06:00.000000000,769  
/beast/ice1/power_ac,2023-10-26T15:06:30.000000000,769  
/beast/ice1/power_ac,2023-10-26T15:07:00.000000000,769  
/beast/ice1/power_ac,2023-10-26T15:07:30.000000000,768  
/beast/ice1/power_ac,2023-10-26T15:08:00.000000000,769  
/beast/ice1/power_ac,2023-10-26T15:08:30.000000000,768  
/beast/ice1/power_ac,2023-10-26T15:09:00.000000000,769
```

dcdbquery (2/2)



```
lu78mod2@beast-gw:~> dcdbquery -r /beast/ice1/power_ac '2023-10-26 15:00' 2023-10-26T15:03:00
```

```
dcdbquery 0.5.104-gba8517cb (libdcdb 0.5.104-gba8517cb)
```

```
sensor(/beast/pdu7/power6) sensor(/beast/pdu8/power6) add
```

```
Sensor,Time,Value (W)
```

```
/beast/ice1/power_ac,1698325200000000000,769
```

```
/beast/ice1/power_ac,1698325230000000000,769
```

```
/beast/ice1/power_ac,1698325260000000000,768
```

```
/beast/ice1/power_ac,1698325290000000000,769
```

```
/beast/ice1/power_ac,1698325320000000000,768
```

```
/beast/ice1/power_ac,1698325350000000000,768
```

```
/beast/ice1/power_ac,1698325380000000000,769
```