Solution Details Guide

The implementation provides a simple example of how extension parameters that are passed from DME next number microservice can be traced and used in serverless function implemented in SAP BTP, Kyma Runtime.

Open the DMC_NextNumber_InAppExtensions/pass-ext-params-kyma/code_solution directory, contains two YAML files, known as "Kubernetes manifest". The manifest is a specification of a Kubernetes API object in JSON or YAML format. A manifest specifies the desired state of an object that Kubernetes will maintain when you apply the manifest.
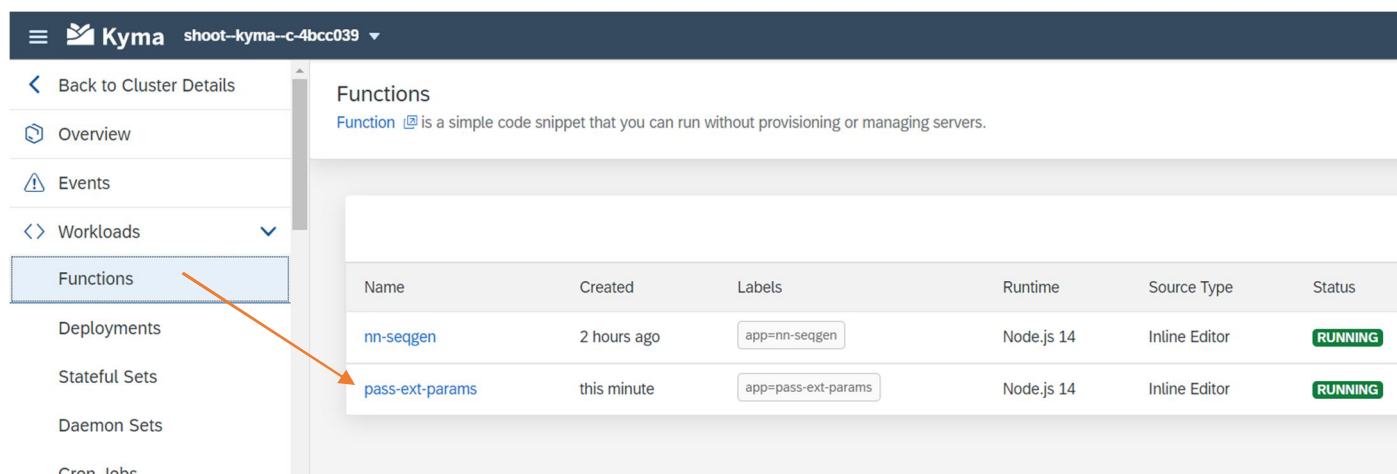
- Define pass-ext-params serverless function in pass-ext-params_function.yaml

"pass-ext-params" serverless function illustrates how to get plant value from extension parameters that passed from DME next number microservice, it also shows how to trace data to Logs by using console.log() function.

```yaml
apiVersion: serverless.kyma-project.io/v1alpha1
kind: Function
metadata:
 labels:
   app: pass-ext-params
 name: pass-ext-params
spec:
 buildResources:
  limits:
    cpu: 700m
    memory: 700Mi
  requests:
    cpu: 200m
    memory: 200Mi
 deps: "{ \n \"name\": \"pass-ext-params\",\n \"version\": \"1.0.0\",\n \"dependencies\":
  {}\n}"
 maxReplicas: 1
 minReplicas: 1
 resources:
  limits:
    cpu: 25m
    memory: 32Mi
  requests:
    cpu: 10m
    memory: 16Mi
 runtime: nodejs14
 source: |-
   module.exports = {
     main: async function(event, context) {
       let result = event.data;
       console.log("Trace Extension parameters : %j", result);
       let extensionParameters = result.extensionParameters;
       if (extensionParameters) {
         let plant = extensionParameters["PLANT"];
         console.log("Trace Extension parameter PLANT : %s", plant);
       }
       return result;
     }
```

```
  }
```

The result of this deployment can be found if you navigate to Workloads à Functions in Kyma Console UI.

· Define API Rule in pass-ext-params_apirule.yaml

Defines the API endpoint, which exposes the services outside the cluster.

```
apiVersion: gateway.kyma-project.io/v1alpha1
kind: APIRule
metadata:
 name: pass-ext-params-api
spec:
 gateway: kyma-gateway.kyma-system.svc.cluster.local
 rules:
  - accessStrategies:
    - config: {}
      handler: noop
    methods:
    - POST
    path: /.*
 service:
   host: pass-ext-params
   name: pass-ext-params
   port: 80
```

The result of this deployment can be found if you navigate to Discovery and Network à API Rules in Kyma Console UI.

Use Host value as URL path for defining new service in the Manage Service Registry DME application. This new service can be used as an in-App Extension for Next Number functionality.