



# Open Source MANO

Day2 operations with Kamailio - tutorial

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1. Define our action
2. Handling the action
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4. Add action to OSM descriptor
5. Test the action

# Define our action

## actions.yaml

touch:

description: Touch a file in the container.

params:

path:

type: string

description: The filename to write to.

content:

type: string

description: Content of the file.

# Handling the action

```
class KamailioCharm(CharmBase):
    def __init__(self, *args) -> None:
        super().__init__(*args)
        self.framework.observe(self.on.touch_action, self._on_touch_action)

    def _on_touch_action(self, event):
        try:
            path = event.params["path"]
            content = event.params["content"]
            container = self.unit.get_container("kamailio")
            container.push(path, content, make_dirs=True)
        except Exception as e:
            event.fail(f"Error: {e}")
```

# Build the charm

\$ charmcraft pack

# Add action to OSM descriptor

```
df:
- id: default-df
  lcm-operations-configuration:
    operate-vnf-op-config:
      day1-2:
        - id: kamailio-kdu
          config-primitive:
            - name: touch
              parameter:
                - name: application-name
                  data-type: STRING
                  default-value: kamailio
                - name: path
                  data-type: STRING
                - name: content
                  data-type: STRING
```

# Test the action

```
$ osm ns-action --action_name touch \  
  --vnf_name kamailio \  
  --kdu_name kamailio-kdu \  
  --params '{content: "Hello", path: /hello/world}' \  
kamailio-k8s
```