

# Blueprints for Deploying DCAE Service Components

Changes for the Guilin Release

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# Guilin Blueprint Changes

- Syntax for `imports`: has changed
  - Specify plugin name and version instead of giving URL for type file
  - JIRA: DCAEGEN2-1789
- `ContainerizedPlatformComponent` node type has been removed
  - Intended for platform components (config binding service, policy handler, etc)
  - Platform components now deployed via Helm
  - Some service components are using it
  - Need to move to `ContainerizedServiceComponent`
  - JIRA: DCAEGEN2-1791

# imports: change (1)

- **Pre-Guilin**

```
imports:
```

```
- 'http://www.getcloudify.org/spec/cloudify/4.5.5/types.yaml'  
-  
'https://nexus.onap.org/service/local/repositories/raw/content/org.onap.dca  
egen2.platform.plugins/R6/k8splugin/1.7.2/k8splugin_types.yaml'  
-  
'https://nexus.onap.org/service/local/repositories/raw/content/org.onap.ccs  
dk.platform.plugins/type_files/dmaap/dmaap.yaml'
```

- **Guilin and beyond:**

```
imports:
```

```
- 'http://www.getcloudify.org/spec/cloudify/4.5.5/types.yaml'  
- plugin:k8splugin?version=3.0.0  
- plugin:dmaap?version=1.5.0
```

## imports: change (2)

- All blueprints in `dcaegen2/platform/blueprints` repo in the `blueprints` directory have been changed on master branch
- Changes in progress for blueprint generator and `dcaemod` so that blueprints are generated with correct syntax
- Old syntax will still work, but only in environments that have network access to the hosts in the import URLs

## Changing to ContainerizedServiceComponent (1)

- `type` is `ContainerizedServiceComponent` instead of `ContainerizedPlatformComponent`
- `service_component_type` is a new required field
  - Generic name for the type of component
- Port specification is different
  - Instead of `container_port` and `host_port` properties, there is a `ports` array in the `docker_config` section
- Use `service_component_name_override` to specify the name used in the cluster DNS
  - If you don't, a unique name will be generated based on `service_component_type`
  - Unless other components in the cluster are using DNS to find your component, you probably don't need this

# Changing to ContainerizedServiceComponent (2)

```
tosca_definitions_version: cloudify_dsl_1_3

description: >
  Simple blueprint to launch nginx as a "platform component"

imports:
-
https://www.getcloudify.org/spec/cloudify/4.5.5/types.yaml
- plugin:k8splugin?version=2.0.0

node_templates:
  web_server:
    type: dcae.nodes.ContainerizedPlatformComponent
    properties:
      name: dcae-nginx
      container_port: 80
      host_port: 31080
      docker_config:
        healthcheck:
          type: "http"
          endpoint: "/"
      application_config:
        web_root: "/web/root"
    image: nginx
```

```
tosca_definitions_version: cloudify_dsl_1_3

description: >
  Simple blueprint to launch nginx as a "service component"

imports:
-
https://www.getcloudify.org/spec/cloudify/4.5.5/types.yaml
- plugin:k8splugin?version=2.0.0

node_templates:
  web_server:
    type: dcae.nodes.ContainerizedServiceComponent
    properties:
      service_component_type: nginx-web-service
      service_component_name_override: dcae-nginx
      docker_config:
        healthcheck:
          type: "http"
          endpoint: "/"
        ports:
          - "80:31080"
      application_config:
        web_root: "/web/root"
    image: nginx
```