

# How to use App Services IApp on IWF

## How to use Application Service Integration iApp with iWorkflow:

Dear user for your convenience we created a ZIP file containing all payloads that you will need to run service templates on IWorkflow. These file can downloaded from here: [iWorkflow\\_json\\_payloads\\_v2.0.003.zip](#).

Here are steps to do that:

1. Download F5 supported version of iWorkflow\_appsvcs\_integration\_v2.0.003.json from F5 GitHub: <https://github.com/F5Networks/f5-application-services-integration-iApp/releases>
2. Import the iApp to iWorkflow by posting iWorkflow\_appsvcs\_integration\_v2.0.003.json to the [https://{{iwf\\_mgmt}}/mgmt/cm/cloud/templates/iapp](https://{{iwf_mgmt}}/mgmt/cm/cloud/templates/iapp) endpoint (Detailed instructions: [https://devcentral.f5.com/wiki/iWorkflow.HowToSamples\\_importing\\_iapp\\_templates\\_to\\_iworkflow.ashx](https://devcentral.f5.com/wiki/iWorkflow.HowToSamples_importing_iapp_templates_to_iworkflow.ashx))
3. Discover a new BIG-IP device in iWorkflow GUI if you don't have any (Detailed instructions: [https://devcentral.f5.com/wiki/iWorkflow.HowToSamples\\_programming\\_bigip\\_device\\_discovery.ashx](https://devcentral.f5.com/wiki/iWorkflow.HowToSamples_programming_bigip_device_discovery.ashx))
4. Create a local connector following instructions provided here [https://devcentral.f5.com/wiki/iWorkflow.APIRef\\_cm\\_cloud\\_connectors\\_local.ashx#create-connector-cloud](https://devcentral.f5.com/wiki/iWorkflow.APIRef_cm_cloud_connectors_local.ashx#create-connector-cloud)  
Or enter DISCOVERED-BIGIP-UUID from the step 3 into create-local-connector\_v2.0.003.json. To get the discovered bigip uuid send GET request to [https://{{iwf\\_mgmt}}/mgmt/shared/resolver/device-groups/cm-cloud-managed-devices/devices](https://{{iwf_mgmt}}/mgmt/shared/resolver/device-groups/cm-cloud-managed-devices/devices)
5. Create a tenant user
  - a. use create-tenant\_v2.0.003.json. Change CONNECTOR-UUID on value that was received in step 4. Send modified create-tenant.json via POST method to [https://{{iwf\\_mgmt}}/mgmt/cm/cloud/tenants](https://{{iwf_mgmt}}/mgmt/cm/cloud/tenants) endpoint.
  - b. send tenant user create-tenant-user\_v2.0.003.json via POST method to [https://{{iwf\\_mgmt}}/mgmt/shared/authz/users](https://{{iwf_mgmt}}/mgmt/shared/authz/users) endpoint.
  - c. send assign-user-role\_v2.0.003.json via PATCH method to [https://{{iwf\\_mgmt}}/mgmt/shared/authz/roles/CloudTenantAdministrator\\_MyTenant](https://{{iwf_mgmt}}/mgmt/shared/authz/roles/CloudTenantAdministrator_MyTenant) endpoint.  
Alternatively, you can create a IWF tenant with LDAP provider or Active Directory provider (Detailed instructions: [https://devcentral.f5.com/wiki/iWorkflow.HowToSamples\\_iworkflow\\_tenant\\_create.ashx](https://devcentral.f5.com/wiki/iWorkflow.HowToSamples_iworkflow_tenant_create.ashx))
6. For tenant convenience, we provide service templates that cover most popular use cases:
  - f5-fasthttp-lb\_v2.0.003.json
  - f5-fastl4-tcp-lb\_v2.0.003.json
  - f5-fastl4-udp-lb\_v2.0.003.json
  - f5-http-lb\_v2.0.003.json
  - f5-http-url-routing-lb\_v2.0.003.json
  - f5-https-offload\_v2.0.003.json
  - f5-https-waf-lb\_v2.0.003.json

To upload service templates iWorkflow Administrator should send them by POST method to [https://{{iwf\\_mgmt}}/mgmt/cm/cloud/provider/templates/iapp](https://{{iwf_mgmt}}/mgmt/cm/cloud/provider/templates/iapp)

You want to create your own json service template please read this document: [https://devcentral.f5.com/wiki/iWorkflow.HowToSamples\\_programming\\_provider\\_template\\_add.ashx](https://devcentral.f5.com/wiki/iWorkflow.HowToSamples_programming_provider_template_add.ashx)

7. Create **service** using one of provided in step 6 json service templates or your own. (Detailed instructions: [https://devcentral.f5.com/wiki/iWorkflow.HowToSamples\\_iworkflow\\_tenant\\_service\\_create.ashx](https://devcentral.f5.com/wiki/iWorkflow.HowToSamples_iworkflow_tenant_service_create.ashx))

Alternatively, you can also use service that we built for you based on json service templates from step 6:

- f5-fasthttp-lb-service\_v2.0.003.json
- f5-fastl4-tcp-lb-service\_v2.0.003.json
- f5-fastl4-udp-lb-service\_v2.0.003.json
- f5-http-lb-service\_v2.0.003.json
- f5-http-url-routing-lb-service\_v2.0.003.json
- f5-https-offload-service\_v2.0.003.json
- f5-https-waf-lb-service\_v2.0.003.json

To upload particular service POST the \*.service.json file to [https://{{iwf\\_mgmt}}/mgmt/cm/cloud/tenants/{{iwf\\_tenant\\_name}}/services/iapp](https://{{iwf_mgmt}}/mgmt/cm/cloud/tenants/{{iwf_tenant_name}}/services/iapp) as authenticated tenant user (basic auth or f5-token) that was created in step 5.

In your \*.service.json change placeholders { eg. {{appsvcs\_vip\_addr}} to values from your environment (User Guide for App Services iApp: [https://devcentral.f5.com/wiki/iApp.AppSvcsiApp\\_userguide\\_userguide.ashx](https://devcentral.f5.com/wiki/iApp.AppSvcsiApp_userguide_userguide.ashx) )

To create asm policy for f5-https-waf-lb-service\_v2.0.003.json POST the payload described below to [https://{{bigip\\_mgmt}}/mgmt/tm/util/bash](https://{{bigip_mgmt}}/mgmt/tm/util/bash)

```
{  
  "command": "run",  
  "utilCmdArgs": "-c 'tmsh create asm policy /Common/{{policy_name}} active  
encoding utf-8 policy-builder enabled'"  
}
```

Please note that running two or more services together may lead to values overwriting and switching health monitor status to unhealthy state.