

# iRODS federation between alice and bob

## On alice

```
iadmin mkzone bobZone remote bob-centos:1247
```

```
iadmin mkuser bob#bobZone rodsuser
```

```
sudo vi /etc/irods/server_config.json
```

```
"federation": [  
  {  
    "catalog_provider_hosts": ["bob-centos"],  
    "zone_name": "bobZone",  
    "zone_key": "BOB_ZONE_KEY",  
    "negotiation_key": "TEMPORARY_32byte_negotiation_key"  
  }  
],
```

```
sudo vi /etc/irods/hosts_config.json
```

```
{  
  "schema_name": "hosts_config",  
  "schema_version": "v3",  
  "host_entries": [  
    {  
      "address_type": "local",  
      "addresses": [  
        {"address": "alice-centos"},  
        { "address": <fqdn-alice>}  
      ]  
    },  
    {  
      "address_type": "remote",  
      "addresses": [  
        {"address": "bob-centos"},  
        { "address": <fqdn-bob>}  
      ]  
    }  
  ]  
}
```

## On bob

```
iadmin mkzone aliceZone remote alice-centos:1247
```

```
iadmin mkuser alice#aliceZone rodsuser
```

```
sudo vi /etc/irods/server_config.json
```

```
"federation": [  
  {  
    "catalog_provider_hosts": ["alice-centos"],  
    "zone_name": "aliceZone",  
    "zone_key": "ALICE_ZONE_KEY",  
    "negotiation_key": "TEMPORARY_32byte_negotiation_key"  
  }  
],
```

```
sudo vi /etc/irods/hosts_config.json
```

```
{  
  "schema_name": "hosts_config",  
  "schema_version": "v3",  
  "host_entries": [  
    {  
      "address_type" : "remote",  
      "addresses" : [  
        {"address" : "alice-centos"},  
        { "address": <fqdn-alice>}  
      ]  
    },  
    {  
      "address_type" : "local",  
      "addresses" : [  
        {"address" : "bob-centos"},  
        { "address": <fqdn-bob>}  
      ]  
    }  
  ]  
}
```