Sequence diagram : 'terraform apply' with sewan provider plugin and sdk
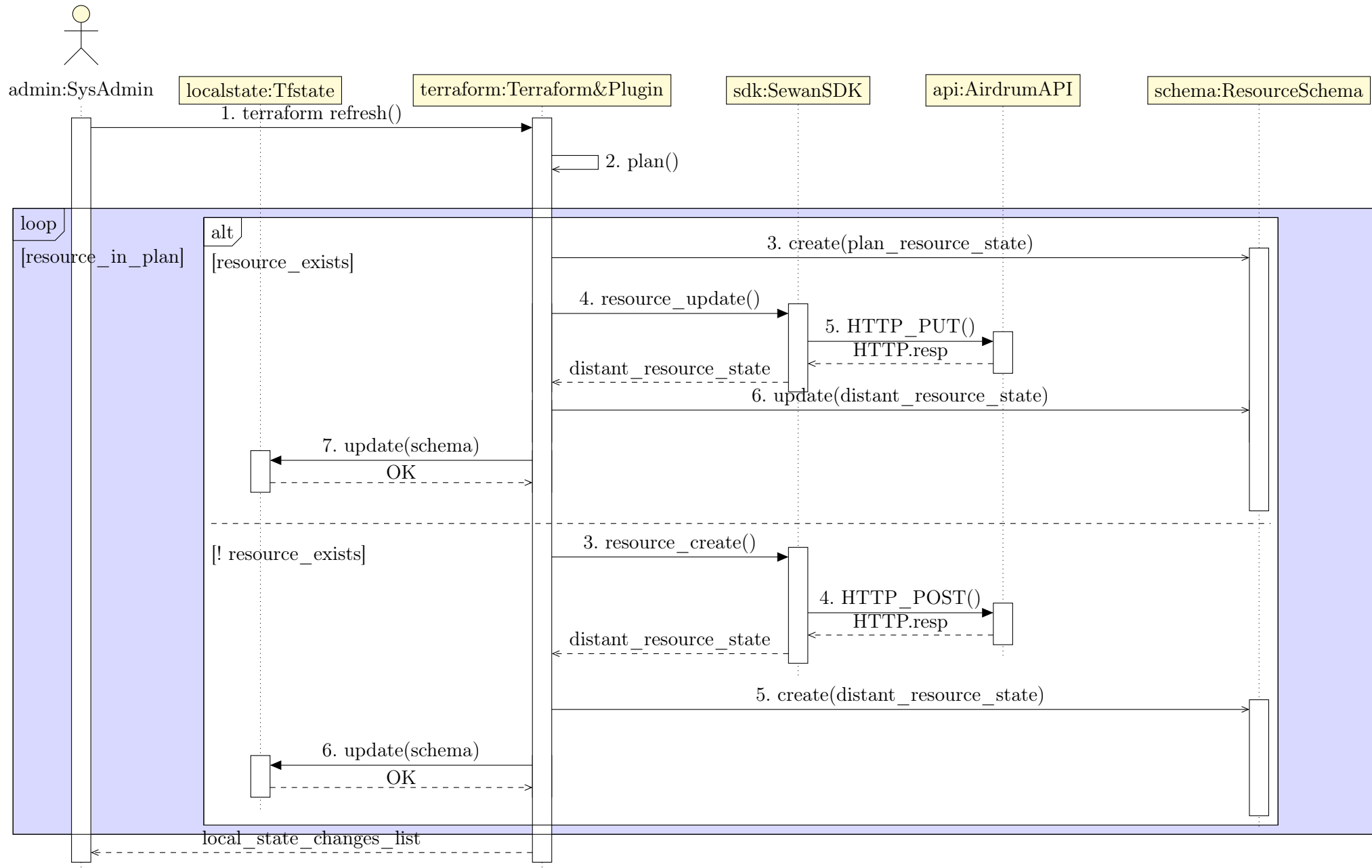
Sewan

July 18, 2018

1 Infrastructure plan apply

admin:SysAdmin | localstate:Tfstate | terraform:Terraform&Plugin | sdk:SewanSDK | api:AirdrumAPI | schema:ResourceSchema

1. terraform refresh()

2. plan()

loop [resource_in_plan]

alt [resource_exists]

3. create(plan_resource_state)

4. resource_update()

5. HTTP_PUT()

HTTP.resp

distant_resource_state

6. update(distant_resource_state)

7. update(schema)

OK

[! resource_exists]

3. resource_create()

4. HTTP_POST()

HTTP.resp

distant_resource_state

5. create(distant_resource_state)

6. update(schema)

OK

local_state_changes_list

2   VM resource creation from template

terraform:Terraform&Plugin   sdk:SewanSDK   api:AirdrumAPI   schema:ResourceSchema

1. resource_create_from_template(template)

2. HTTP_GET_AVAILABLE_TEMPLATES()

HTTP.resp with templatesList

3. is_template_in_list()

alt [template_in_list]

4. create_from_template_and_configuration()

5. HTTP_POST(schema_json)

HTTP.resp with distant_state

6. update(distant_state)

create

resource:_override.tf.json

6. set_configuration(schema)

HTTP.resp

[! template_in_list]

7. nullify_plan() + distant_state:error

distant_state