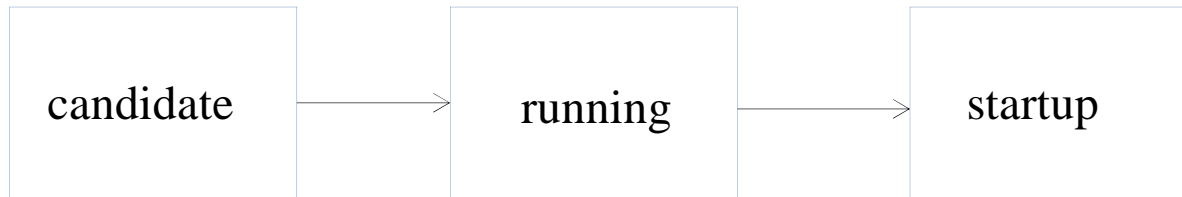


I2RS Protocol Simple Example

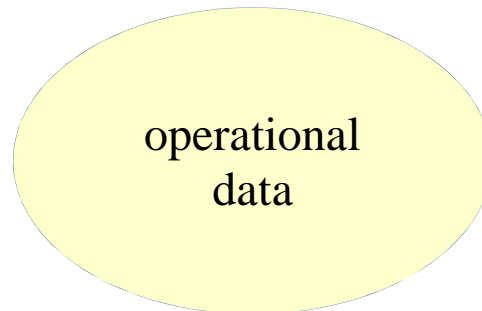
Andy Bierman, Kent Watsen

Current Datastores



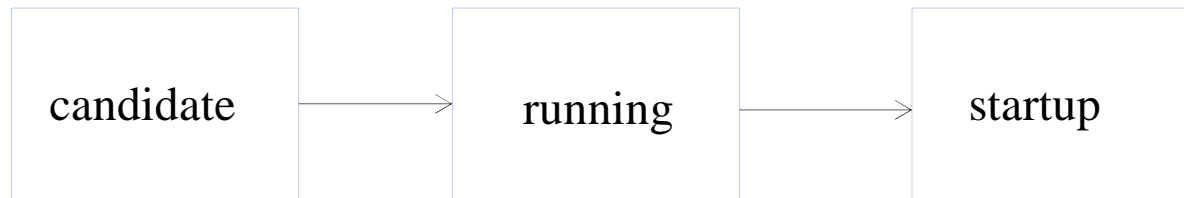
config true;

config false;



All operational data exists alongside config=true but there is no datastore defined for config=false data nodes

Current Datastores (Ext. 1)

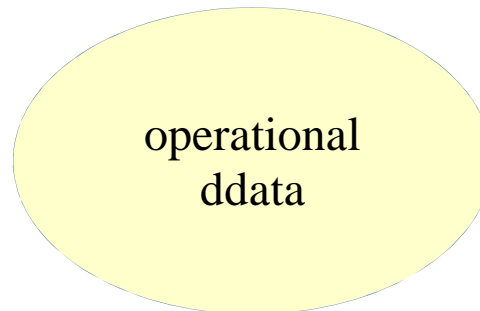


config true;

intended config

config false;

applied config

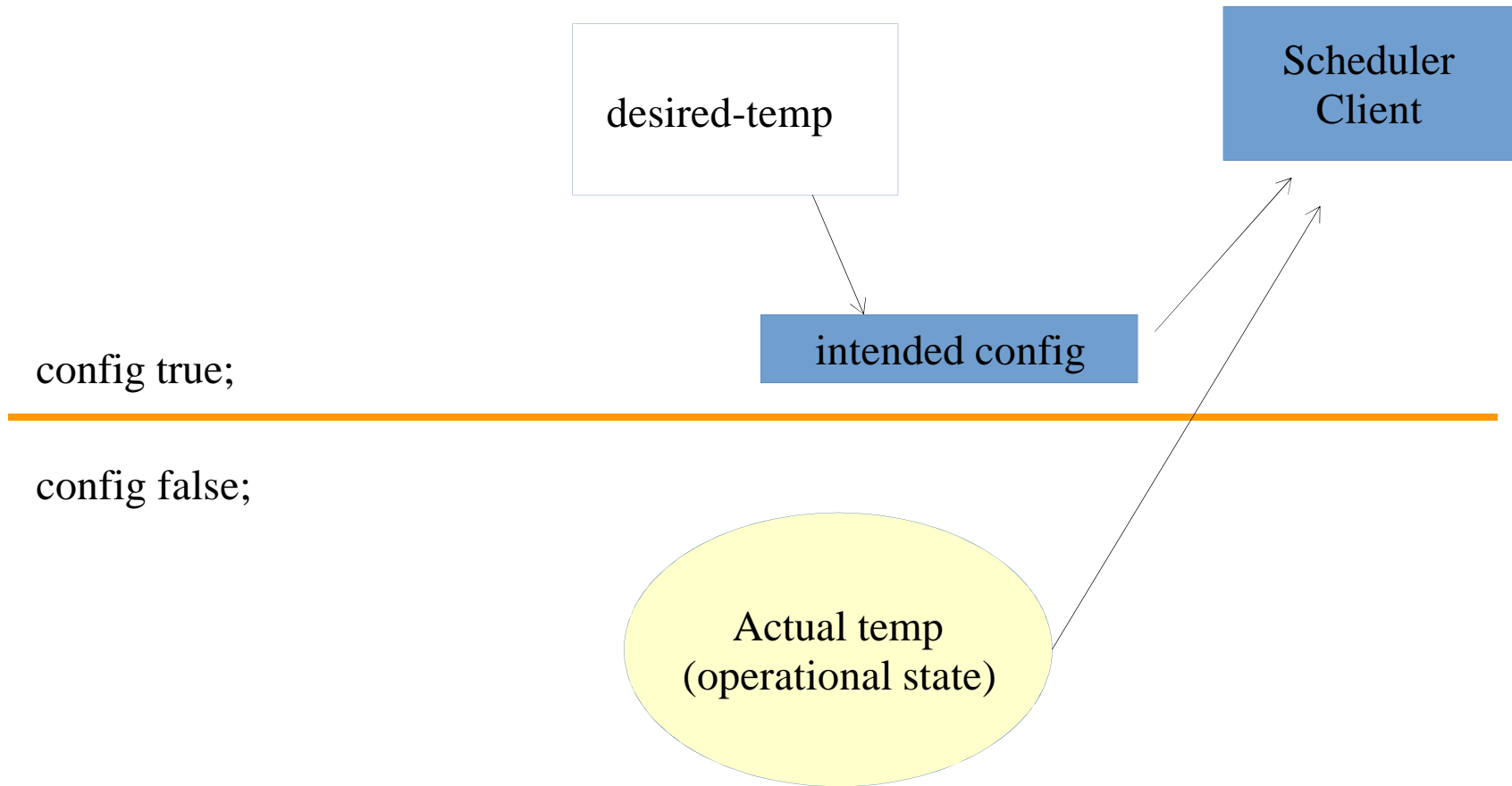


Conceptual intended and actual values are determined by the server as an implementation detail

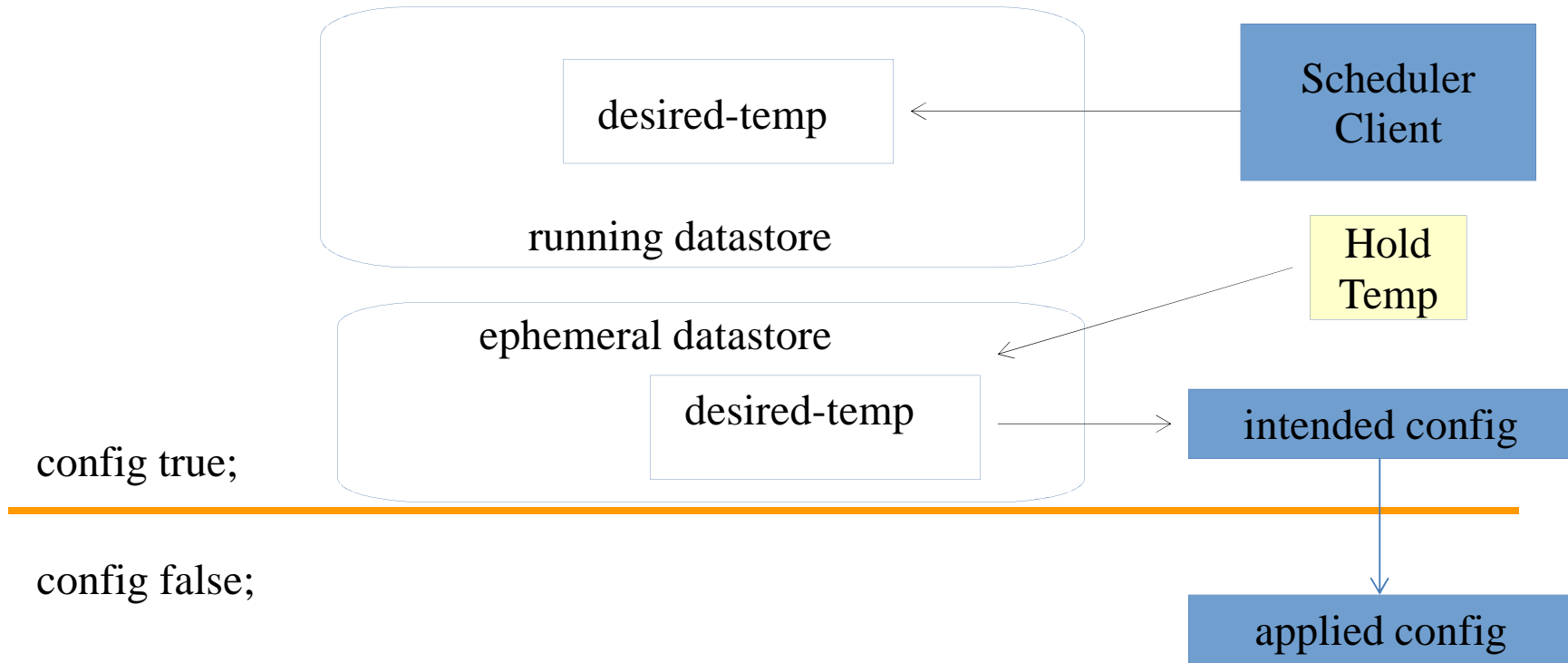
Simple Thermostat Example

```
module thermostat {  
    ...  
    leaf desired-temp {  
        type int32;  
        units "degrees Celsius";  
        description "The desired temperature";  
    }  
  
    // operational state  
  
    leaf actual-temp {  
        type int32;  
        config false;  
        units "degrees Celsius";  
        description "The measured temperature";  
    }  
}
```

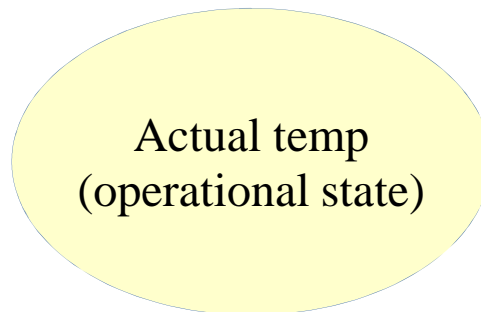
Thermostat Model



Thermostat Model + Hold Temp



Schedule is not deleted
by hold-temp button
Desired temperature



RESTCONF Example

RESTCONF Running Datastore Edit

```
PUT /restconf/data/thermostat:desired-temp
```

```
{ "desired-temp": 18 }
```

RESTCONF Ephemeral Datastore Edit of config=true

```
PUT /restconf/data/thermostat:desired-temp?datastore=ephemeral
```

```
{ "desired-temp": 18 }
```

Simple Thermostat + ephemeral

```
module thermostat {  
  ...  
  leaf desired-temp {  
    type int32;  
    ephemeral true;  
    units "degrees Celsius";  
    description "The desired temperature";  
  }  
  
  leaf actual-temp {  
    type int32;  
    config false;  
    ephemeral true;  
    units "degrees Celsius";  
    description "The measured temperature";  
  }  
}
```