

Ephemeral datastore  
draft-hares-i2rs-ephemeral-ds-00.txt

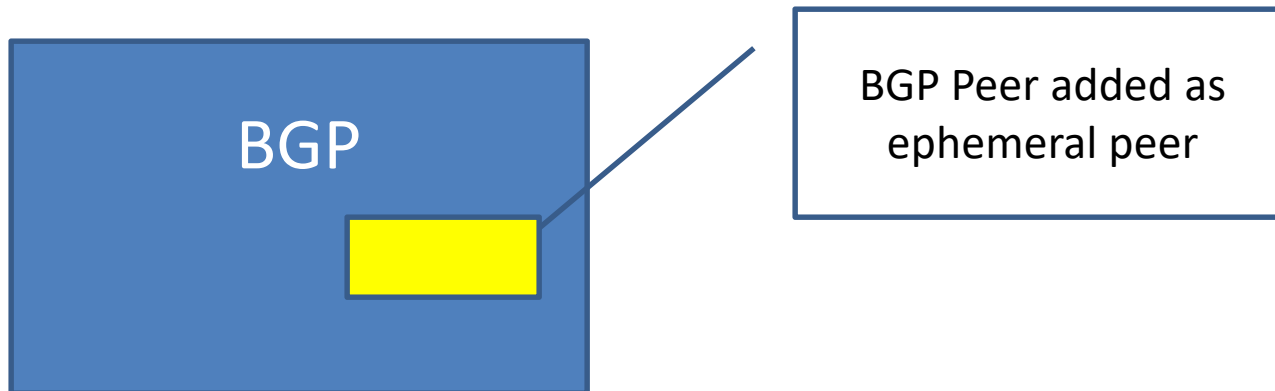
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# Why Datastore model

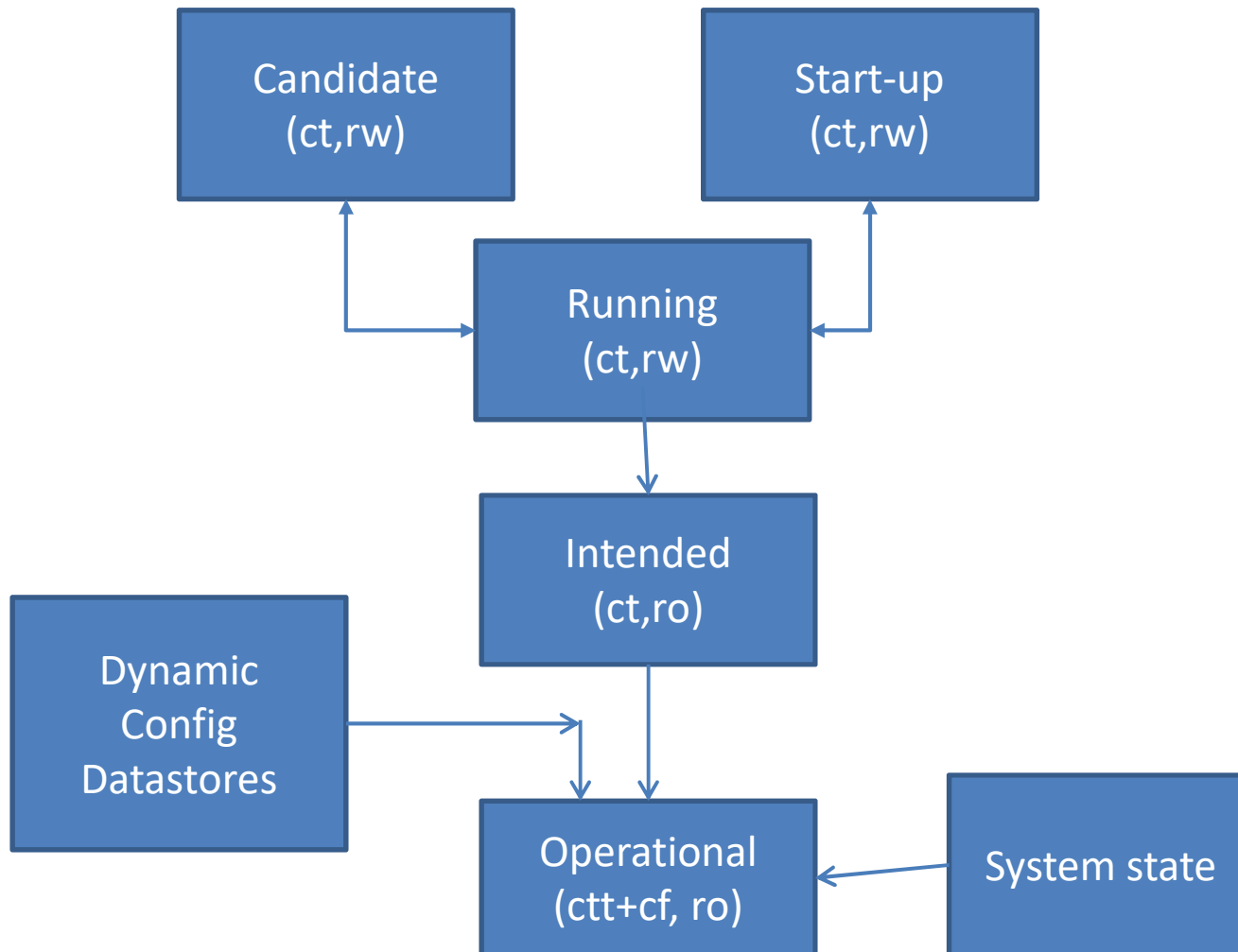
- I2RS WG items include creation of Ephemeral data store
- 95% of work done in OPS
  - draft-ietf-netmod-revised-datastores-06
  - draft-ietf-netconf-nmda-restconf
  - draft-ietf-netconf-nmda-netconf
- 5% - Need to just define as standard

# 3 things to discuss

- **#1 Need for ephemeral flag**
  - Done so that config model can have ephemeral data in the model
- Can be done a combination of dynamic plus configuration
  - Do we still need it?



# IETF revised datastores



```
// add datastore identity
identity ds-ephemeral {
  base ds:datastore;
  description
    "The 'ephemeral' datastore.";
}
```

```
// add origin identity
identity or-ephemeral {
  base or:dynamic;
  description
    "Denotes data from the ephemeral dynamic datastore.";
}
```

# Features in Ephemeral Datastore

- #2 Non-sensitive data
  - Certain models may be sent over RESTCONF over HTTP over TCP
  - Example: Web-service up if routing there
  - Part of architecture and requirements
- Datastore Flag
  - Tracks the model having this data
  - Will need to be accompanied by a knob

```
extension data-not-sensitive {
```

```
  argument "value";
```

```
  description
```

```
    "This extension indicates that this  
read-only data node is not sensitive and  
should be allowed to access via a non-secure  
transport.
```

```
The value is either true or false.
```

```
  .";
```

```
}
```

# Features in Ephemeral Datastore

- #3 list of models
  - Comments in data model will provide a list of an example models
  - Should we have field in Yang catalog for models that can be loaded into ephemeral datastore (?)



# What's left out

- Any flags on validation
- Validation set by implementation
- If this is not sufficient, WG can revise datastore model

Any thoughts or questions?

