Session Peering Distribution Protocol

draft-schwartz-drinks-spdist-00

Provisioning Flows

Provisioning
SED data
into Registries

1

Registry

Registry to
Registry
Exchanges

3

Registry

2

Distributing
SED data
into local
repositories

Local
Data
Repository

Local
Data
Repository
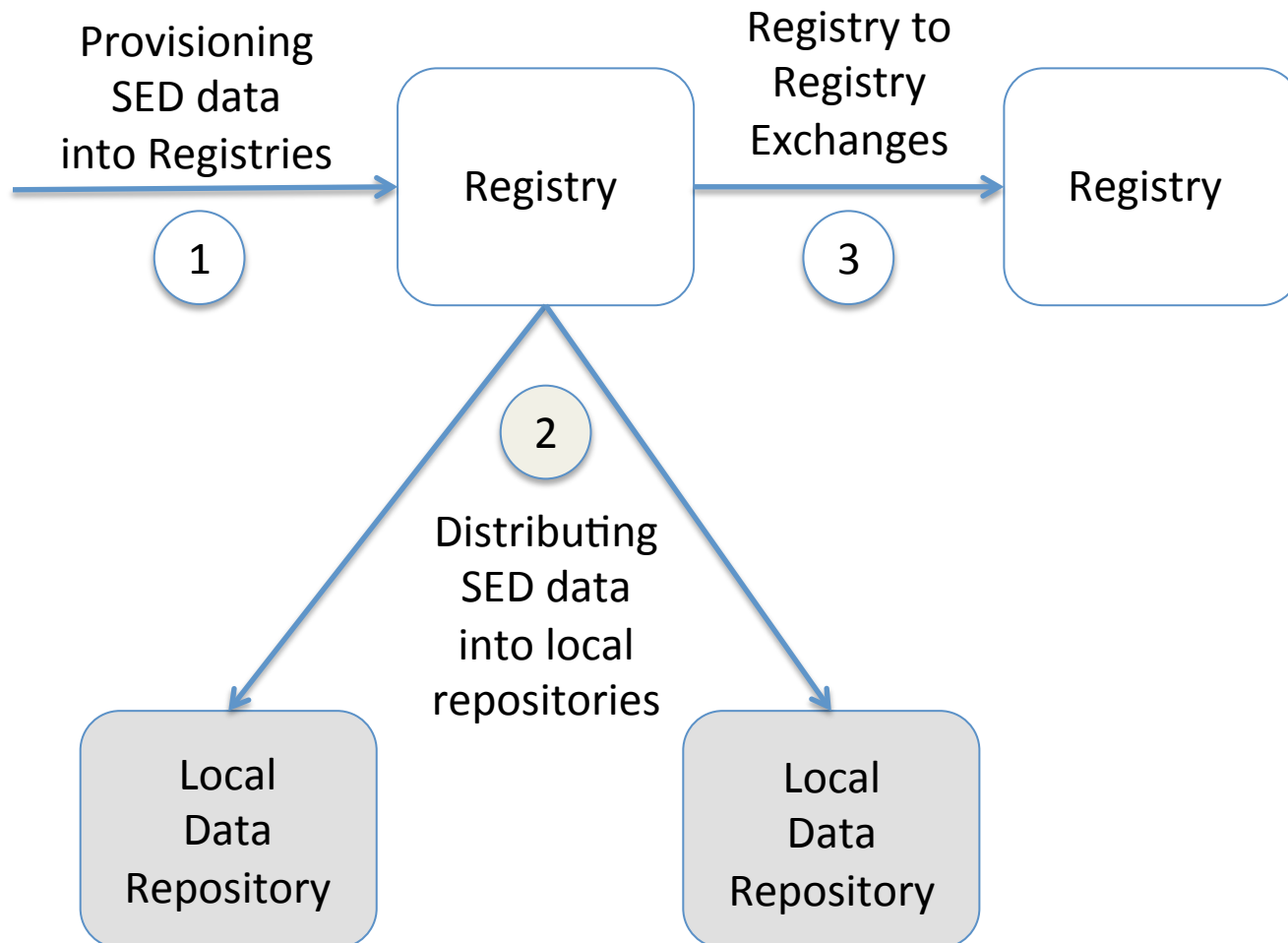
Is there a need
for a separate
distribution protocol
?

Namespace

Questions

- Can local repository get data from multiple registries?

- Can local repository store locally provisioned data?

- How do we disambiguate?

- Do we need to address conflict resolution issues?

Data Views

Questions

- How do we support distribution of data "increments"?
- How do we add concept of a "version" to registry data?

Data Model

Questions

- Do we need to define additional structures?
  - Optimize bulk distribution of data
  - Add notion of a version
  - Namespace considerations

Data Consistency

Questions

- How do we ensure consistency across repositories?
- How does registry know data version in local repository?

Data Distribution

Questions

- Do we need "pull" in addition to "push" mechanisms?
- Synchronous vs. Asynchronous data transfer
  - Bulk processing
    - Which protocol should be used?
    - How do we verify all the data was received correctly?

- What happens when local repository is unavailable?

Data Partitioning

Question

- Can data be partitioned across multiple stores residing under a single administrative domain?

Next Steps

- Re-charter DRINKS to address SPDP

- Describe the relevant use cases

- Gain consensus before moving forwards