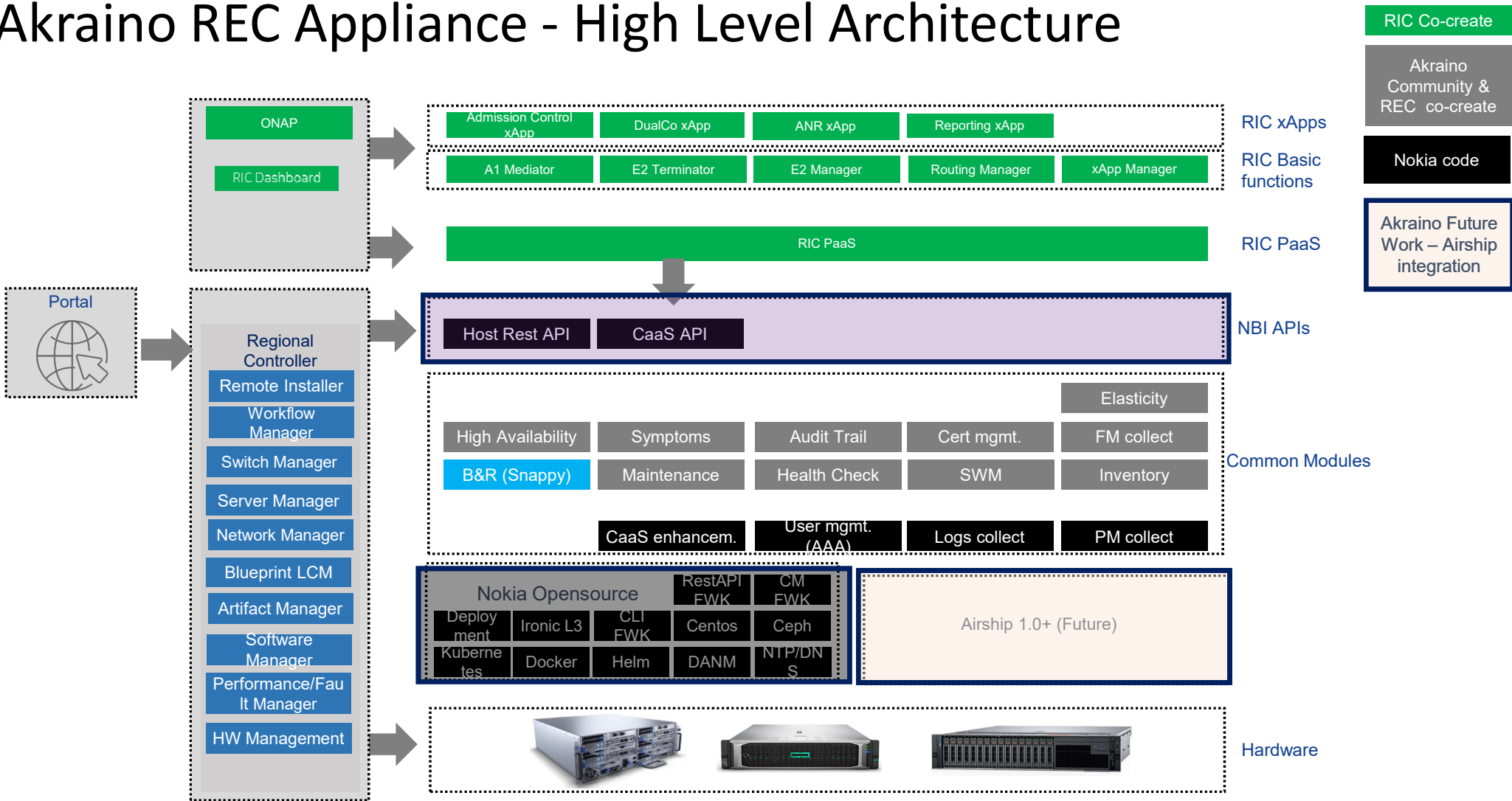


Akraino Feature Project – Snappy (Backup and Restore)

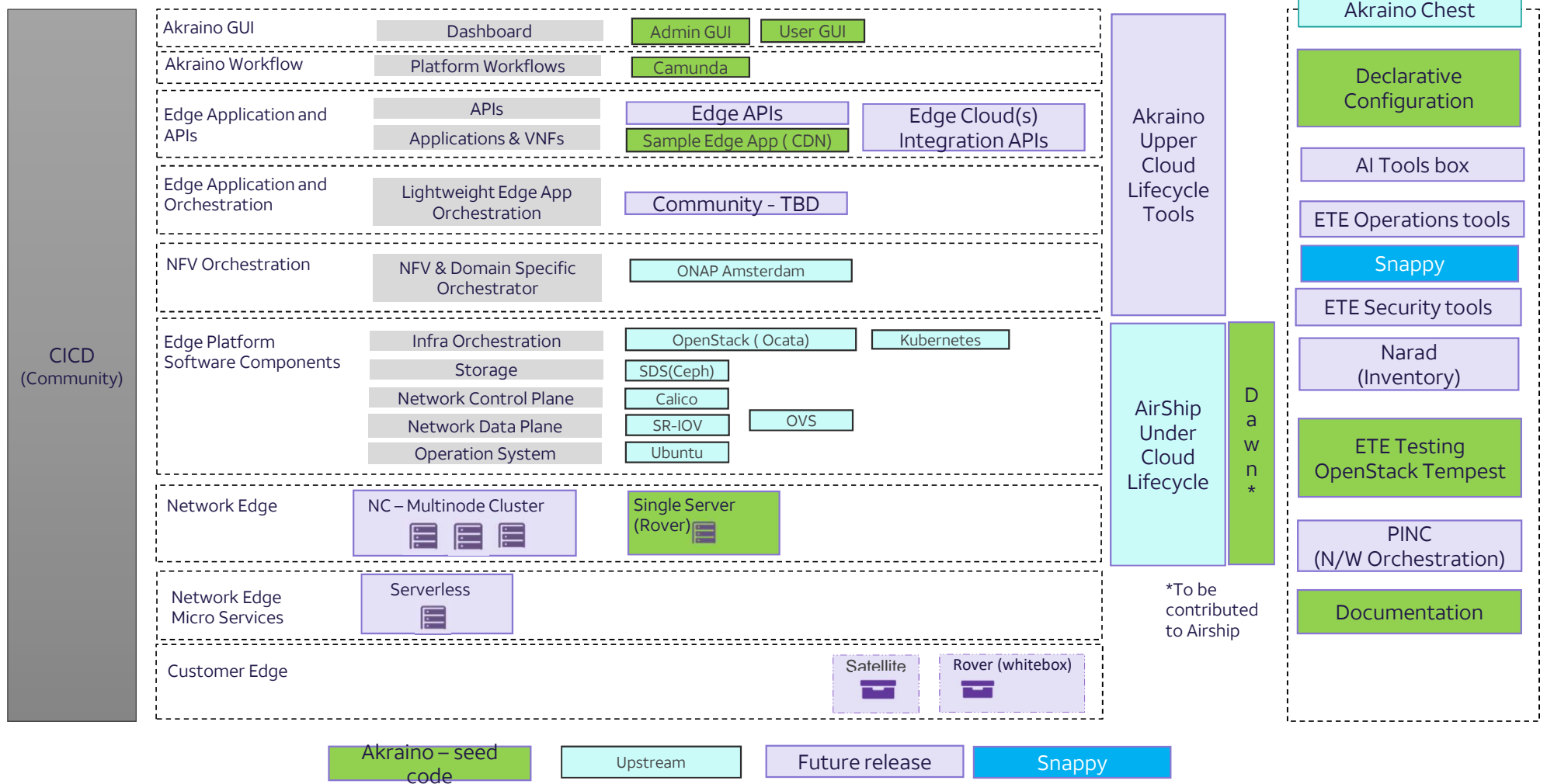
Feature	Description	Companies Participating / Committers	Requested Release / Timeline	Informational
Snappy – Backup and Restore	An extensible backup and restore framework for use with cloud storage systems. For use with multiple blueprints.	AT&T	R2 for Telco Appliance	Initial Blueprints that will use Snappy:Telco Appliance, Network Cloud See next slides for additional details

AT&T Committers: Pingkai Liu (pl869j@att.com)
Josh Auzins (ja7858@att.com)
Don Henderson (dh2682@att.com)

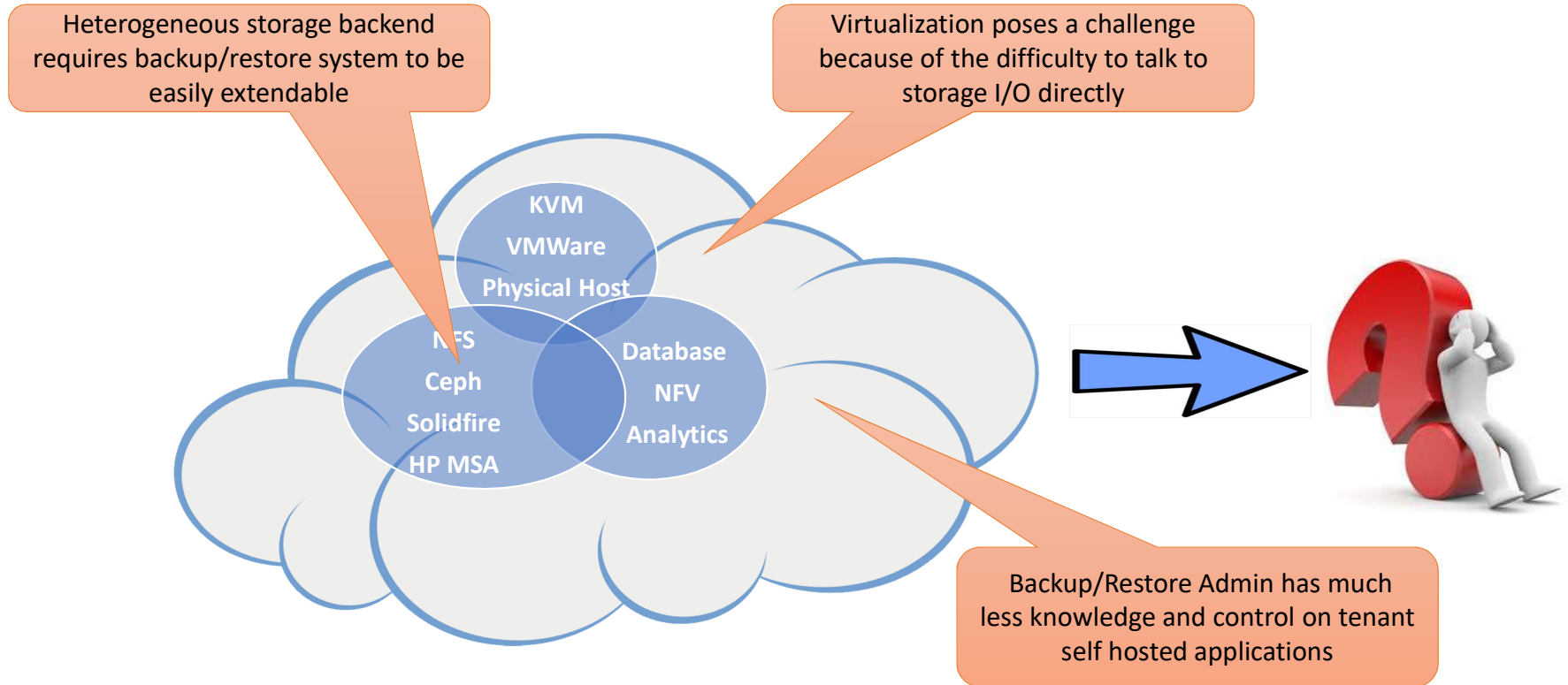
Akraino REC Appliance - High Level Architecture



Akraino Edge Stack – Snappy Feature Project Mapping



Why is Snappy needed?



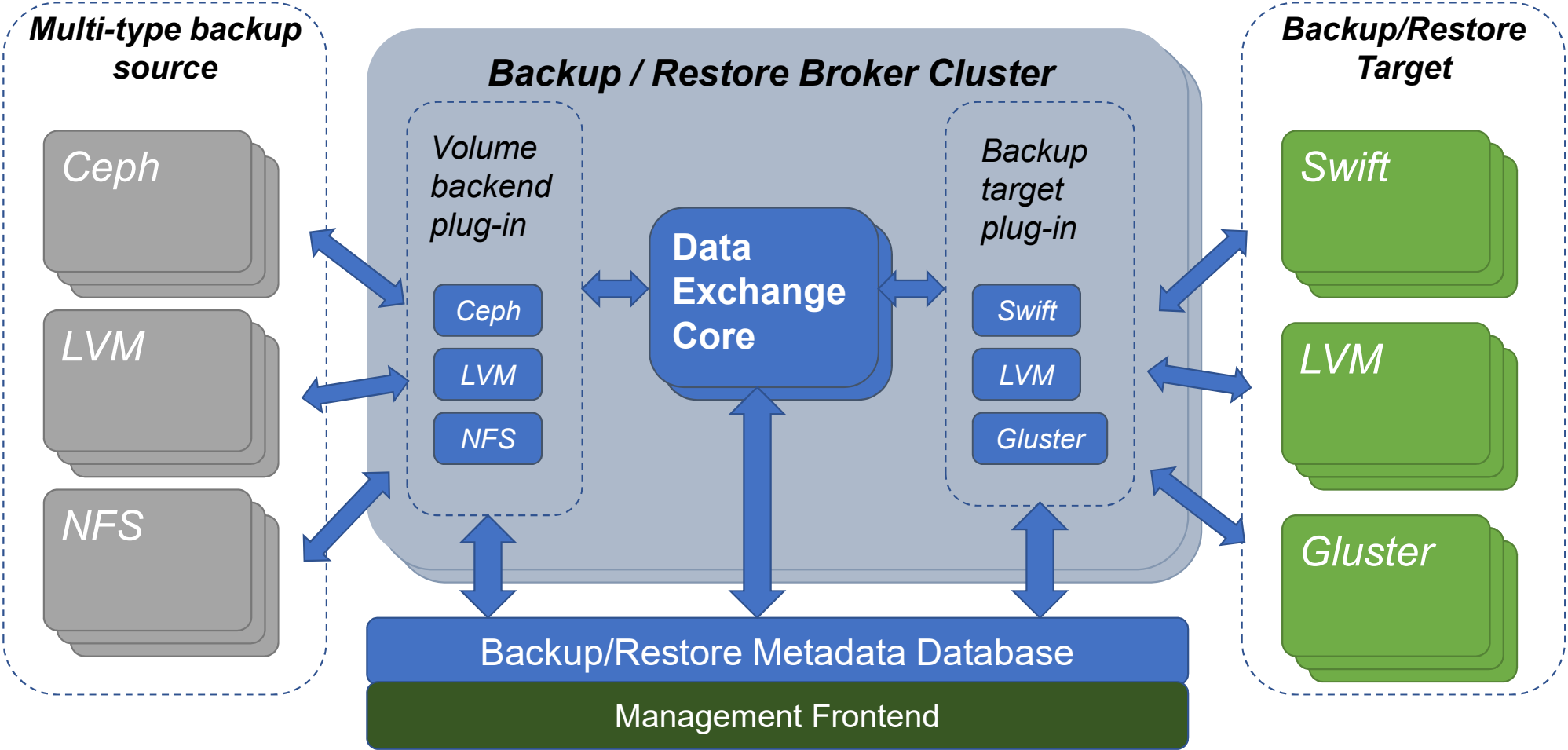
The backup/restore challenge does not automatically disappear in the cloud. In fact, it is even more challenging!

Snappy: 3 Main Components

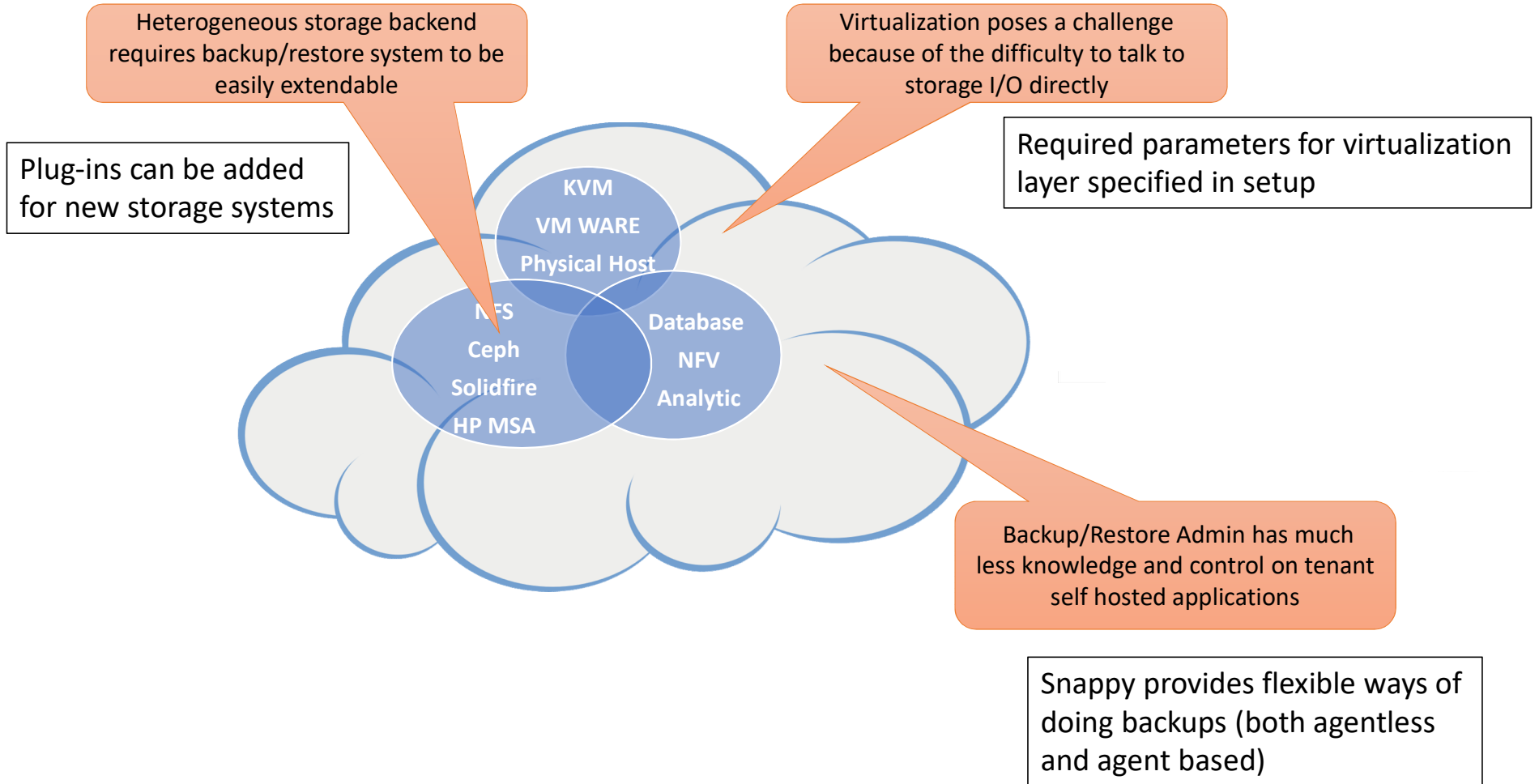
- **Frontend:** *receives jobs*
 - Interface to the outside world
- **Database:** *stores jobs*
 - Past, current and future
- **Core:** *runs jobs*
 - Plug-ins for different types of sources and targets

“job” = backup or restore

Snappy Architecture



How Snappy Can Help



Snappy Implementation – Kubernetes Example

