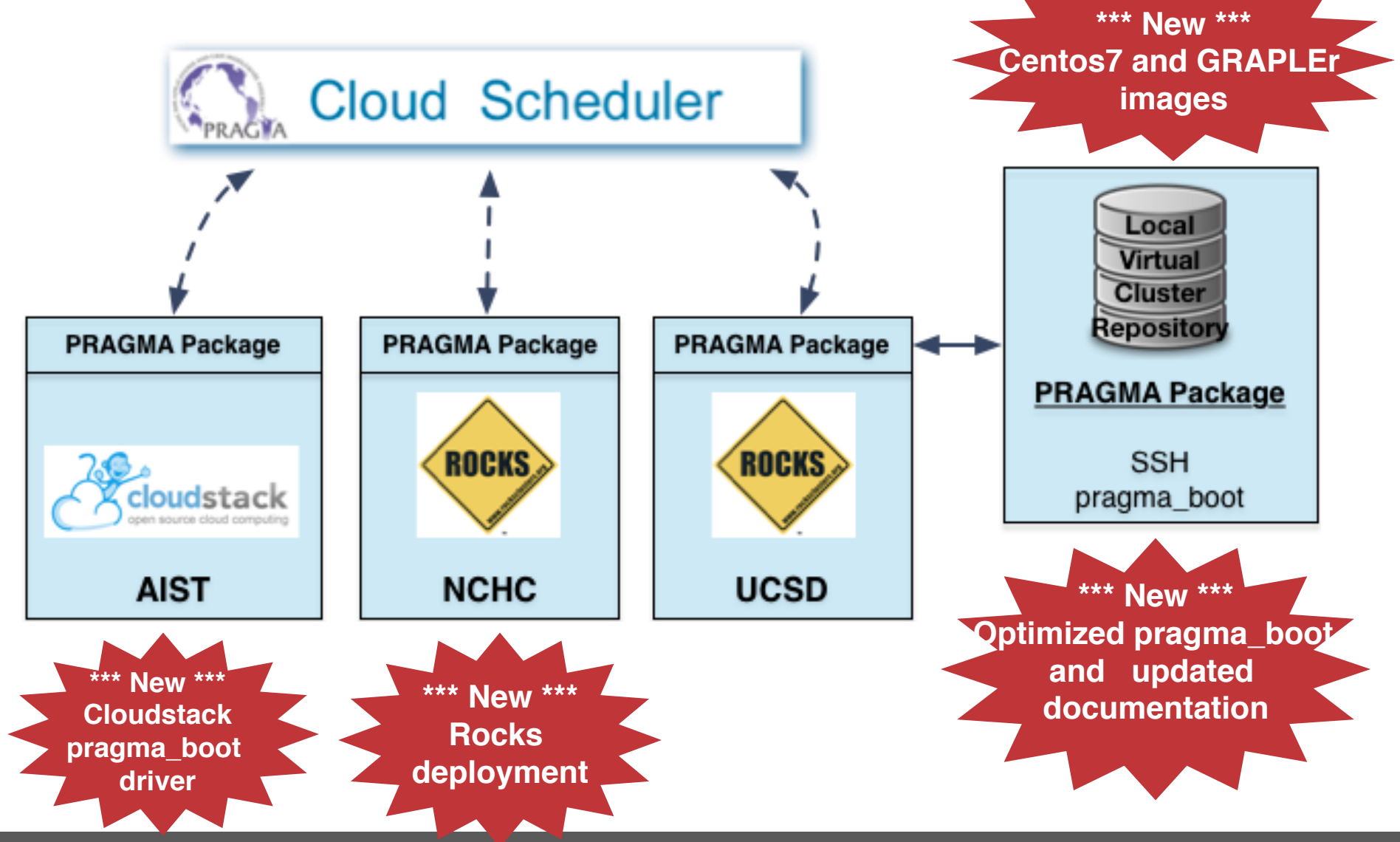


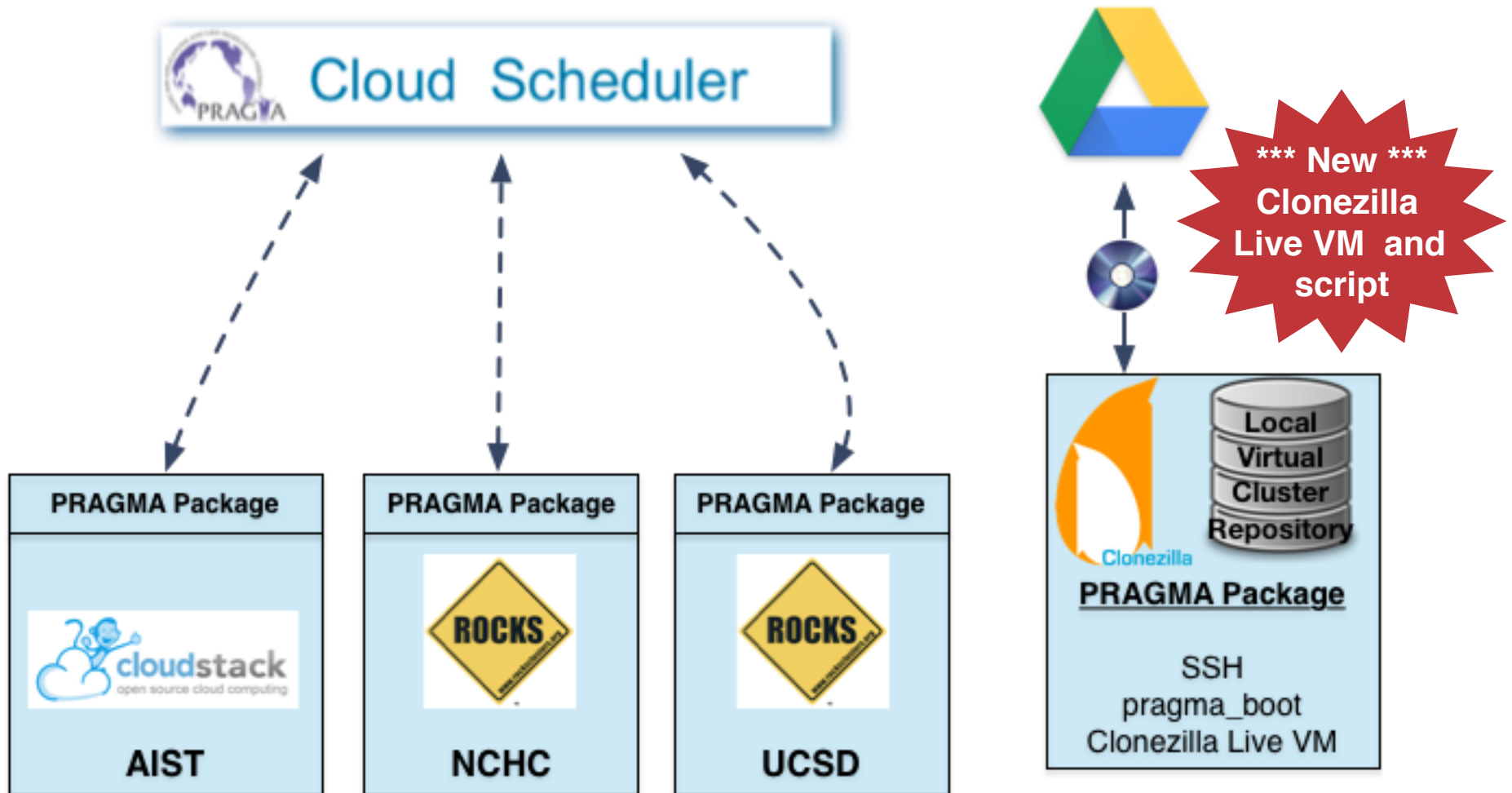
# PRAGMA Cloud Scheduler

- **Goal: Low participation overhead and easy to use**
  - Sites only have to install a small package (SSH and pragma\_boot) to participate
  - Users have convenient web interface to start up and manage their virtual clusters
- **Currently leverages the following tools:**
  - **Booked**: Open source room reservation software from Twinkle Toes
  - **pragma\_boot**: Boots virtual clusters for users across PRAGMA institutions using local VM provisioning system. Currently supports Rocks and Cloudstack.

# Architecture Overview



# Clonezilla Updates



# Goals for PRAGMA 31

- Integrate 6 additional sites: **AIST**, NAIST, **Thammasat / Kasetsart**, IU, UF, CNIC
- Integrate PRAGMA-ENT
- **Integrate more virtual cluster images and get feedback from early users (Jason, others?)**
- Integrate image management with Google drive and Clonezilla (in progress)
- Integrate Cloud Init and boto with pragma\_boot for greater portability
- **Package and document software**

# Goals for PRAGMA 32

- Integrate 3 additional sites: NAIST, IU, UF
- Integrate PRAGMA-ENT, enhancements to openvswitch
- Finish image management with Google drive and Clonezilla (in progress)
- Develop Openstack driver boto (NCHC)
- Integrate more virtual cluster images? Wa-dock – newer version?
- Cleanup documentation on how to become a pragma site
- Add user documentation
- Longer term goals
  - Comet integration ?
  - Access to common datasets? Handled within VM