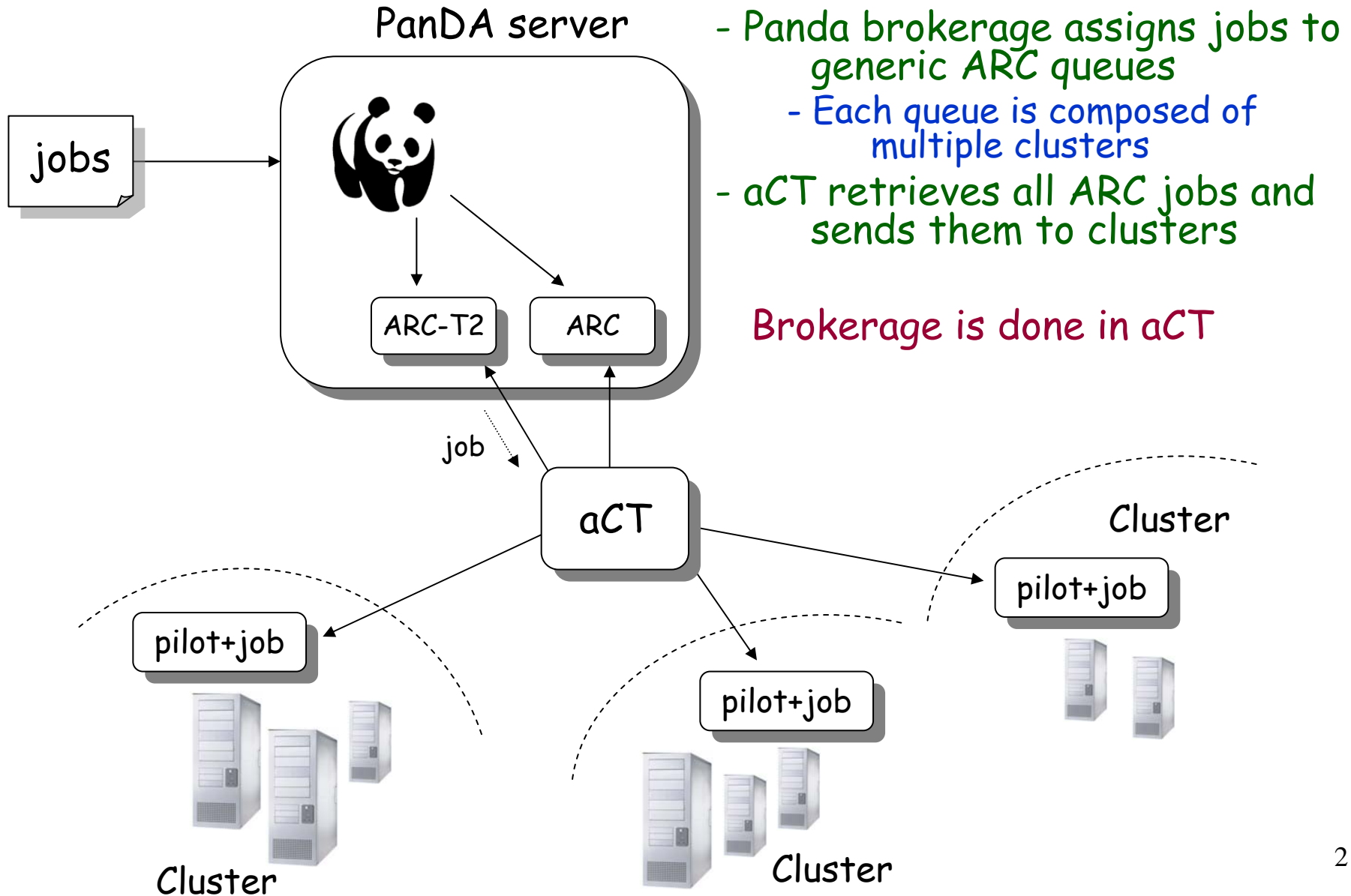


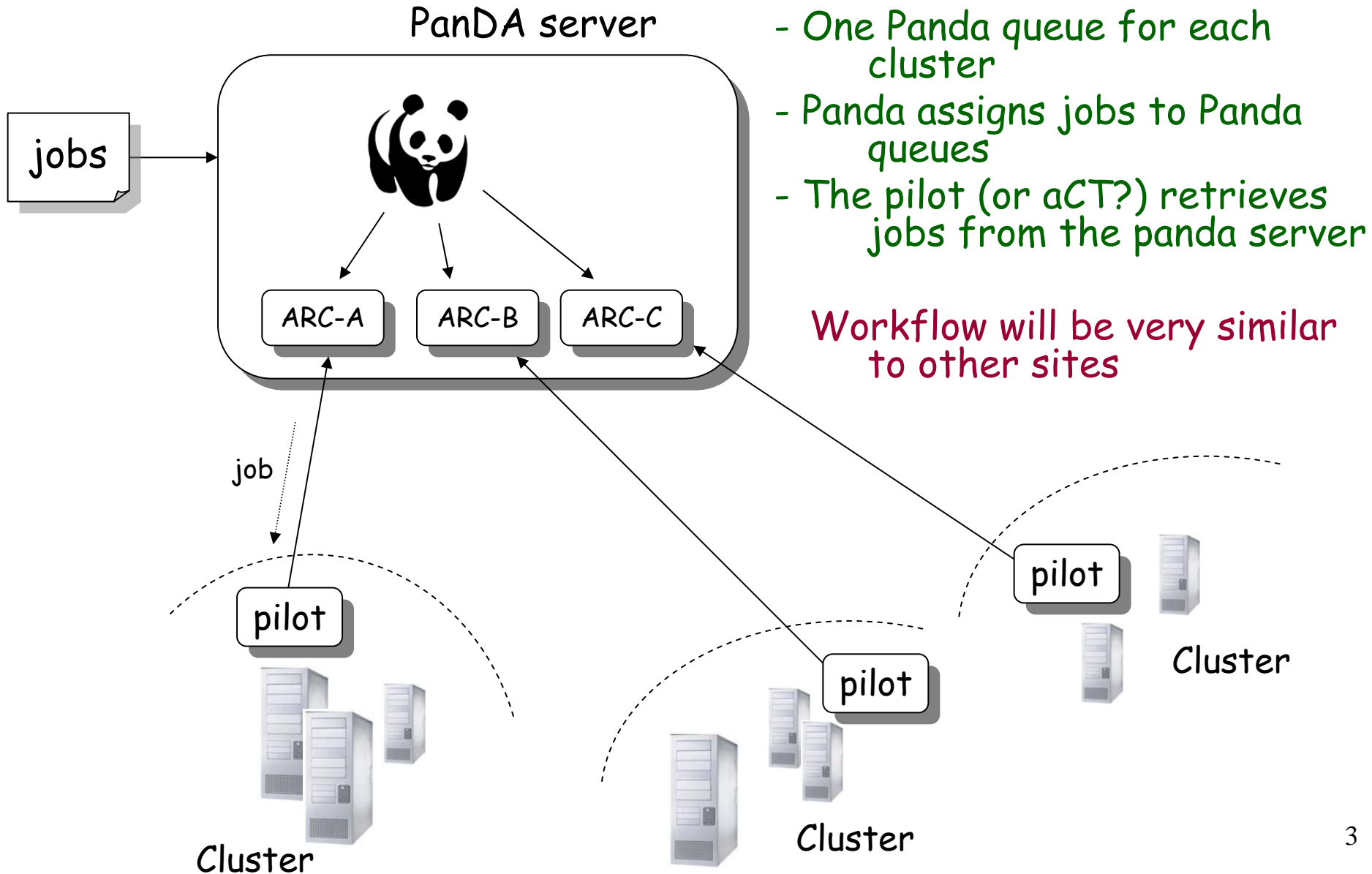
Panda ARC-related Development

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Current Workflow for ARC



New Workflow for ARC



New brokerage for ARC

- Each ARC cluster has a local cache disk but doesn't have a dedicated SE
- All clusters are associated to an SE (NDGF-T1_XYZ)
- DQ2 and LFC know about files in the SE, but don't know about files in local caches. The latter info is available in the ARC Cache index (Acix) service
- The brokerage will need to check file availability with Acix instead of LFC

Stage-In

➤ Two possibilities

- The pilot uses a cache-aware copy tool for input files
 - Copies files from a local cache when they are available. Otherwise, copies them from SE
 - No prestaging
 - For analysis jobs?
- The panda server sends a list of input files to aCT somehow (via job like PandaMover or some messaging mechanism like DQ2)
 - aCT copies files to cluster, and sends a callback to the Panda server to activate corresponding jobs

Plans

- Data mover and the pilot
 - David and Paul are working
- New Site definition (1 day)
- Changes to Panda server (~1week)
 - The brokerage accesses to Acix instead of LFC
 - The panda server makes internal jobs or something to stage files