



# AmEx SW Planning

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**SWT2 Workshop**

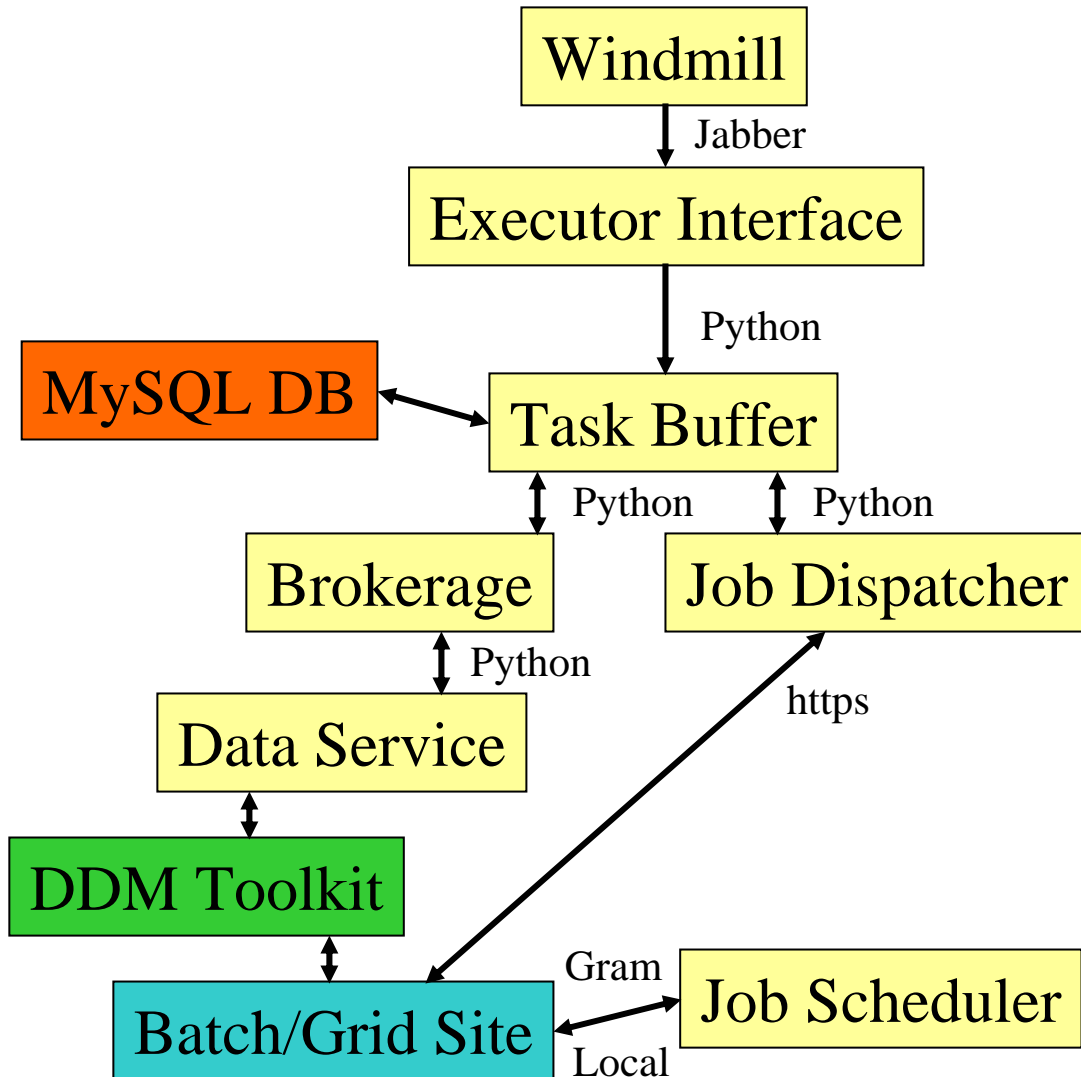
**August 11, 2005**

# AmEx Plans



- ❑ Component architecture, with parallel development teams
- ❑ Separate QA/testing and support teams
- ❑ Incremental development plans – components and features added or replaced as we gain experience
- ❑ Monthly release cycle
  - ❑ Sep. 15<sup>th</sup> – demonstrate prototype can run 1000 ‘mv’ jobs/day
  - ❑ Oct. 15<sup>th</sup> – run a ATLAS transformation, add components
  - ❑ Nov. 15<sup>th</sup> – any ATLAS transformation, ADA integration
  - ❑ Dec. 15<sup>th</sup> – scale up to 10,000 jobs/day
  - ❑ Jan. 31<sup>st</sup> – more components, better automation

# Sep. 15 Implementation



From DC2 (use devDB)

Based on DC2

Store jobs in DB, group into DDM datablocks

Prepare datablock requests, dispatch jobs (xml)

Request datablocks, validate completed jobs

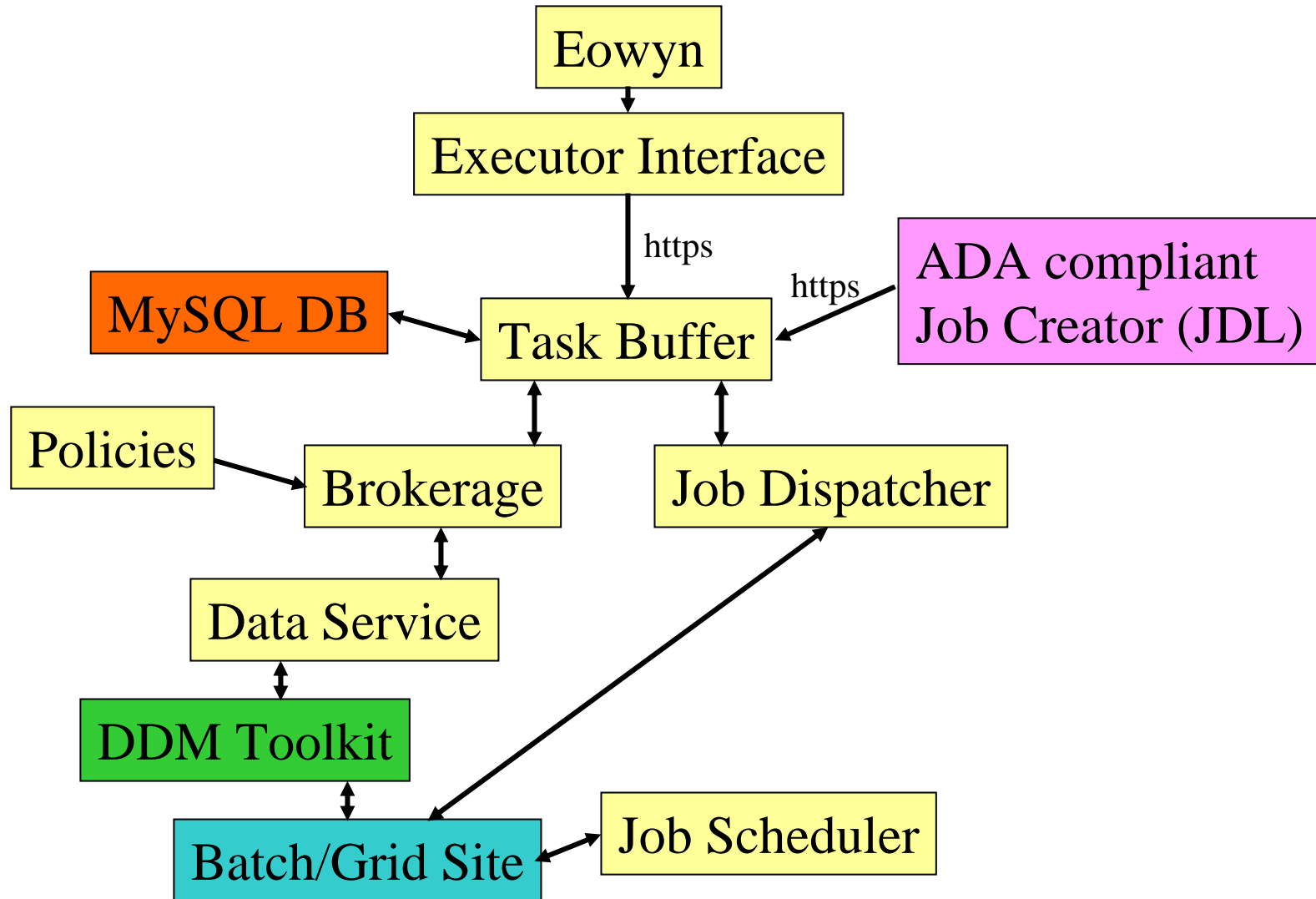
Continuously send pilot jobs using Condor-G or shell script

# Sep. 15 Task List

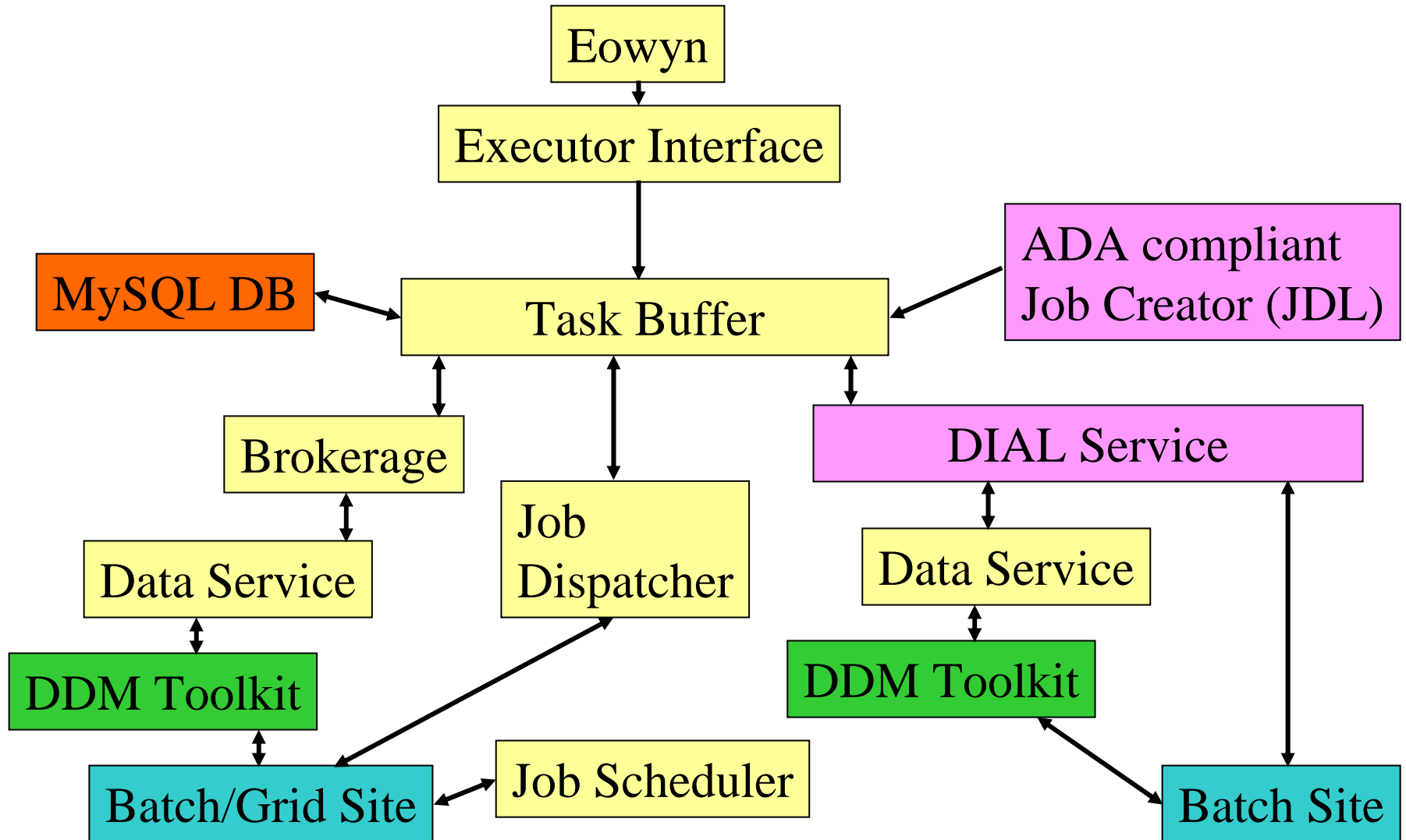


- Executor Interface – Karthik, Horst, Nurcan
- MySQL DB – Yuri, Nurcan
- Task Buffer – Gabriele, Tomasz, Joel, David
- Brokerage – Marco, Joel, Karthik
- Data Service – Wensheng, Hyunwoo, Mark
- Job Dispatcher – Tadashi, Xin, David
- Job Scheduler/Pilot Jobs – Xin, Marco
- Dial PBS backend, Dial deployment/testing at UTA – Hyunwoo
- DDM deployment – Wensheng, Hyunwoo, Saul
- CVS/librarian, mailing list - Horst
- QA/integration/testing – Mark, Nurcan, Horst, Pavel
- Production with old system – Yuri, Mark, Tomasz
- Software installation – Xin, Yuri

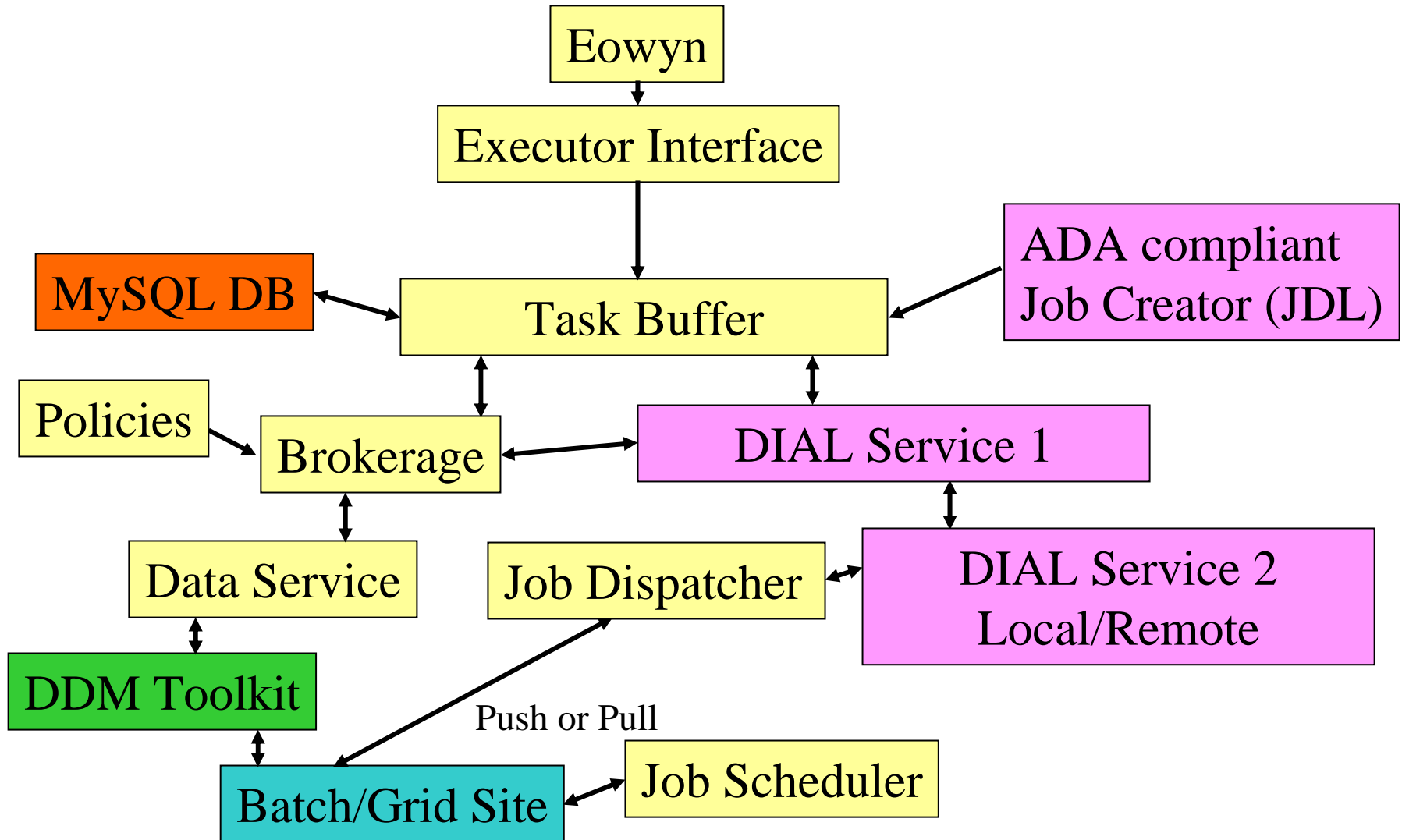
# Oct. 15 Implementation



# Nov. 15 Implementation



# Dec. 15 Implementation



# Long Term Design

