

Examines requests and activates requests

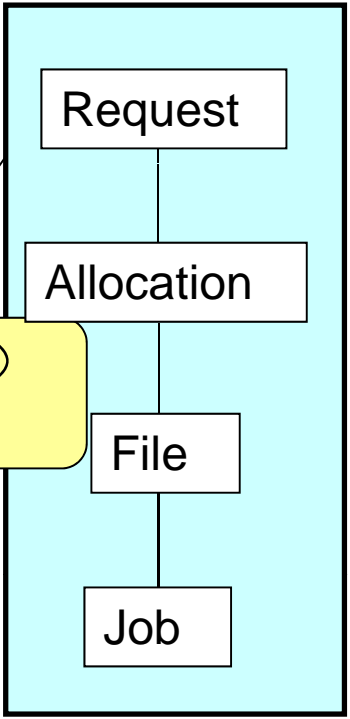
ProdMgr pulls request from request system

Manages requests (accounting)

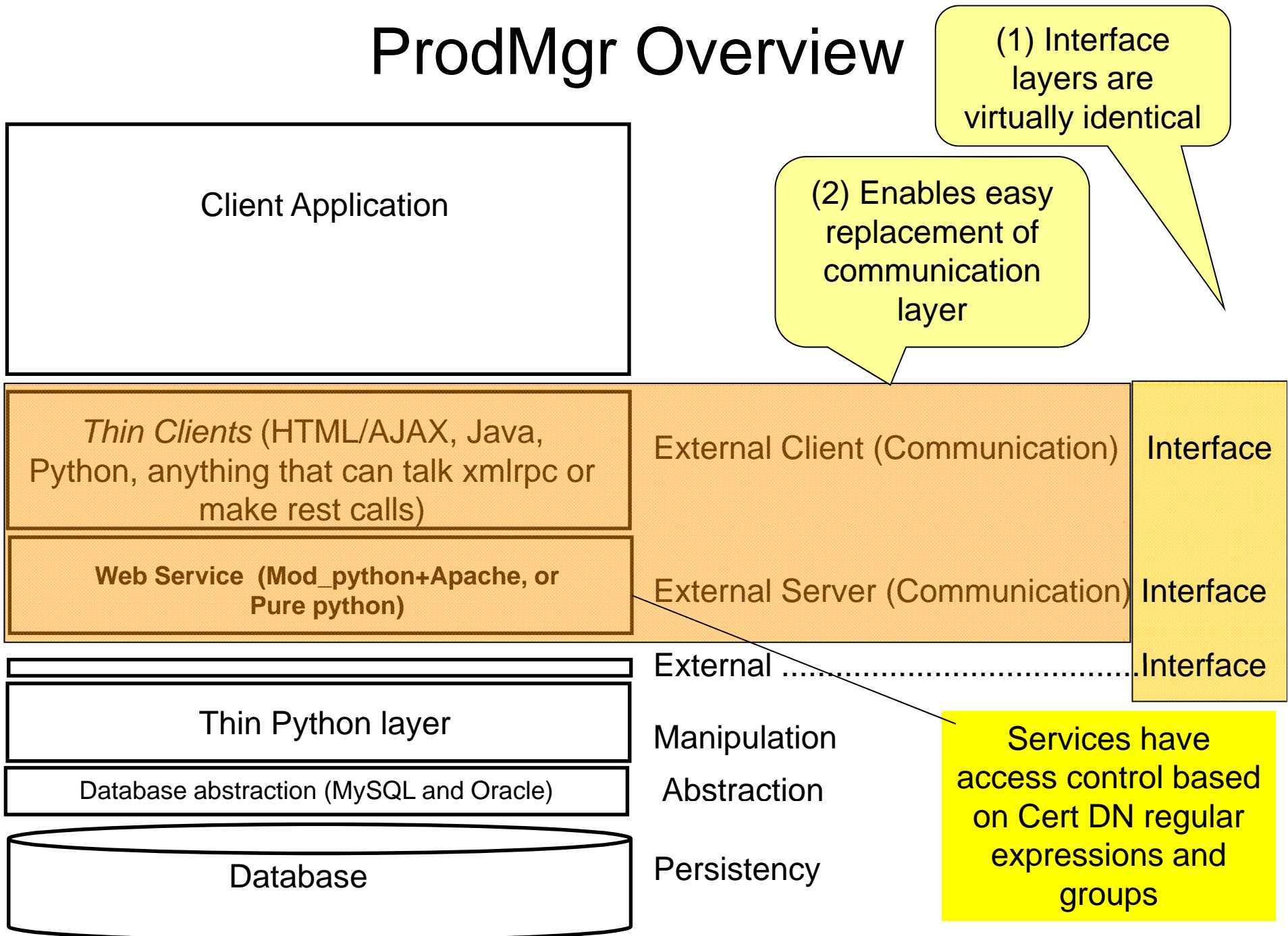
ProdAgent Retrieves work from (multiple) ProdMgrs

Notifies ProdAgents On activated requests

-Takes care of all aspects of a job submission (large part includes error handling)
-Responsible for submission to a collection of sites



ProdMgr Overview



```

import Clarens ←
dbsvr=Clarens.client(url, certfile='.globus/usercert.pem',keyfile='.globus/userkey.pem',debug=0)
requestInput={'workflow_spec':workflowSpec,
              'policies':{'Jobs.Assignment':'EvtSingleCont',
                          'Jobs.Completeness':'FileBased',
                          .....}}
userID=dbsvr.execute("prodMgrRequest.userID",[[]])
dbsvr.execute("prodMgrRequest.createRequest",[requestInput])
request=dbsvr.execute("prodMgrRequest.retrieveRequest",[request_id])
requests=dbsvr.execute("prodMgrRequest.retrieveRequests",[[]])
dbsvr.execute("prodMgrRequest.createAllocations",[request_id,2,100])
dbsvr.execute("prodMgrRequest.createAllocations",[request_id,3,150])
dbsvr.execute("prodMgrRequest.createAllocations",[request_id,7,150])

```

23 KB module based on standard python libraries

Command line client

Thin Client (HTML/AJAX, Java, Python, anything that can talk xmlrpc)

Authorization, Authentication & Discoverability

Clarens based Web Service

Manipulation

Python embedded SQL statements

Persistency



Browser client

