

The CIPRes National Resource

Software development Goals:

- **Create an IT infrastructure that serves the community.**
 - **Web-based GUIs that provide data and tool access.**
 - **Software tools that can be downloaded and run on individuals resources.**
- **Create a platform that facilitates interaction between existing legacy codes.**
- **Create a published standard API for community developers.**
- **Build relationships with other large software development projects in the community.**

The CIPRes National Resource

Database development Goals:

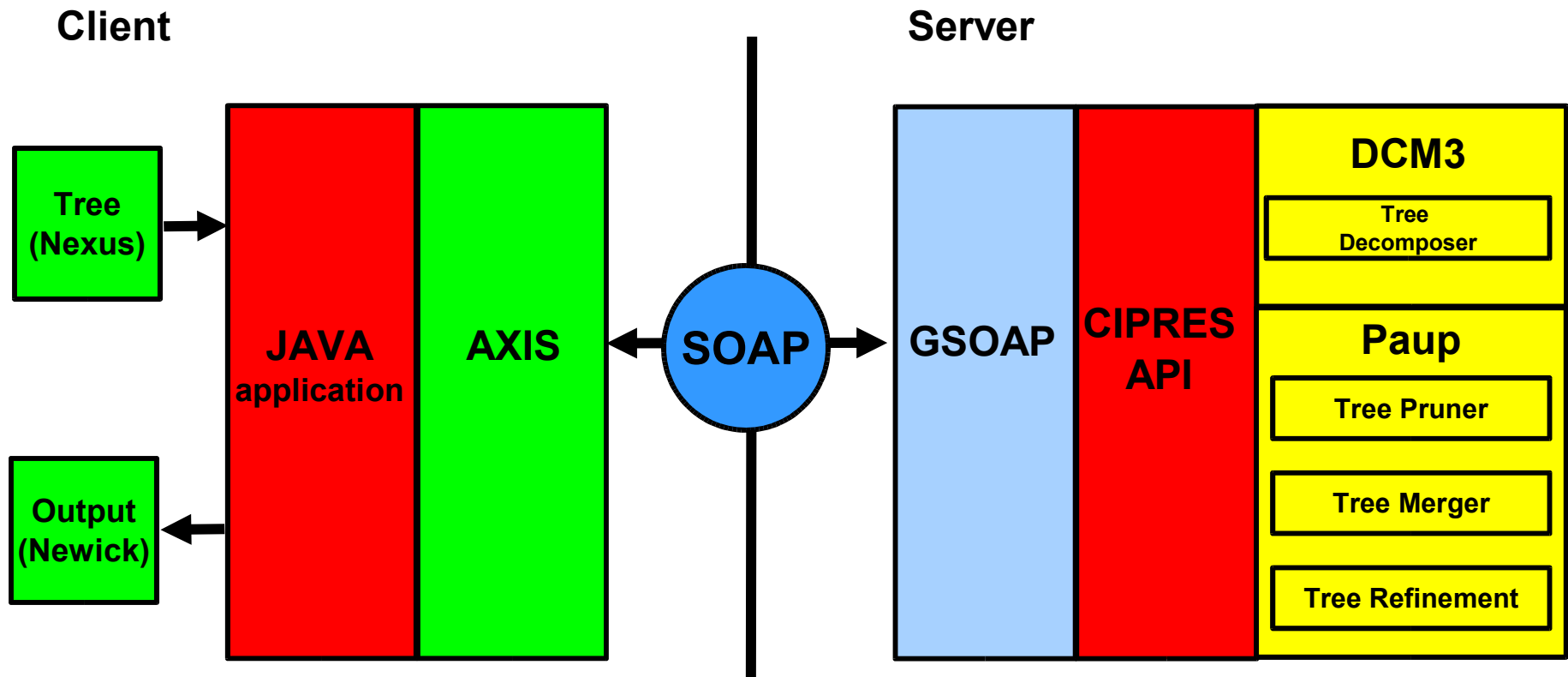
- **Recreate Treebase in a well supported, SQL-based DBMS.**
- **Create a Second-generation database (Treebase2).**
- **Create software tools that facilitate data exchange between data creators and Treebase2**

Hardware Goals:

- **Create a production quality service where computational resources maintained at SDSC are provided to the community.**

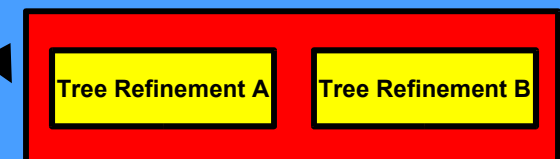
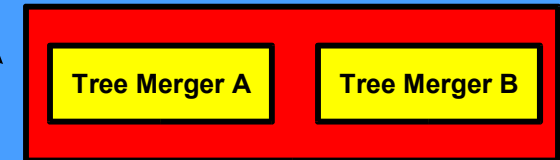
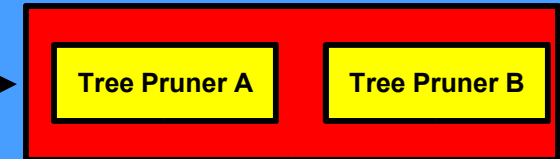
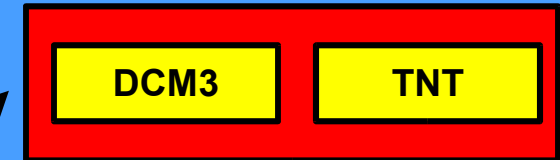
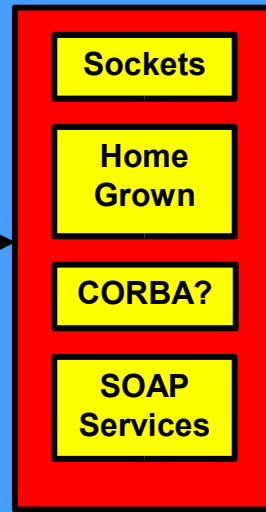
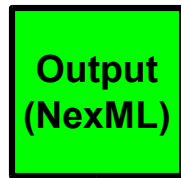
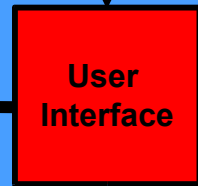
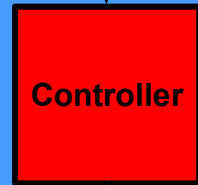
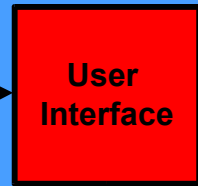
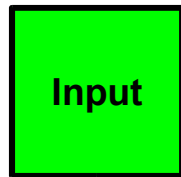
CIPRes Software Development

Downloadable software that connects legacy codes with new algorithms, creating new capabilities:



CIPRes Software Development

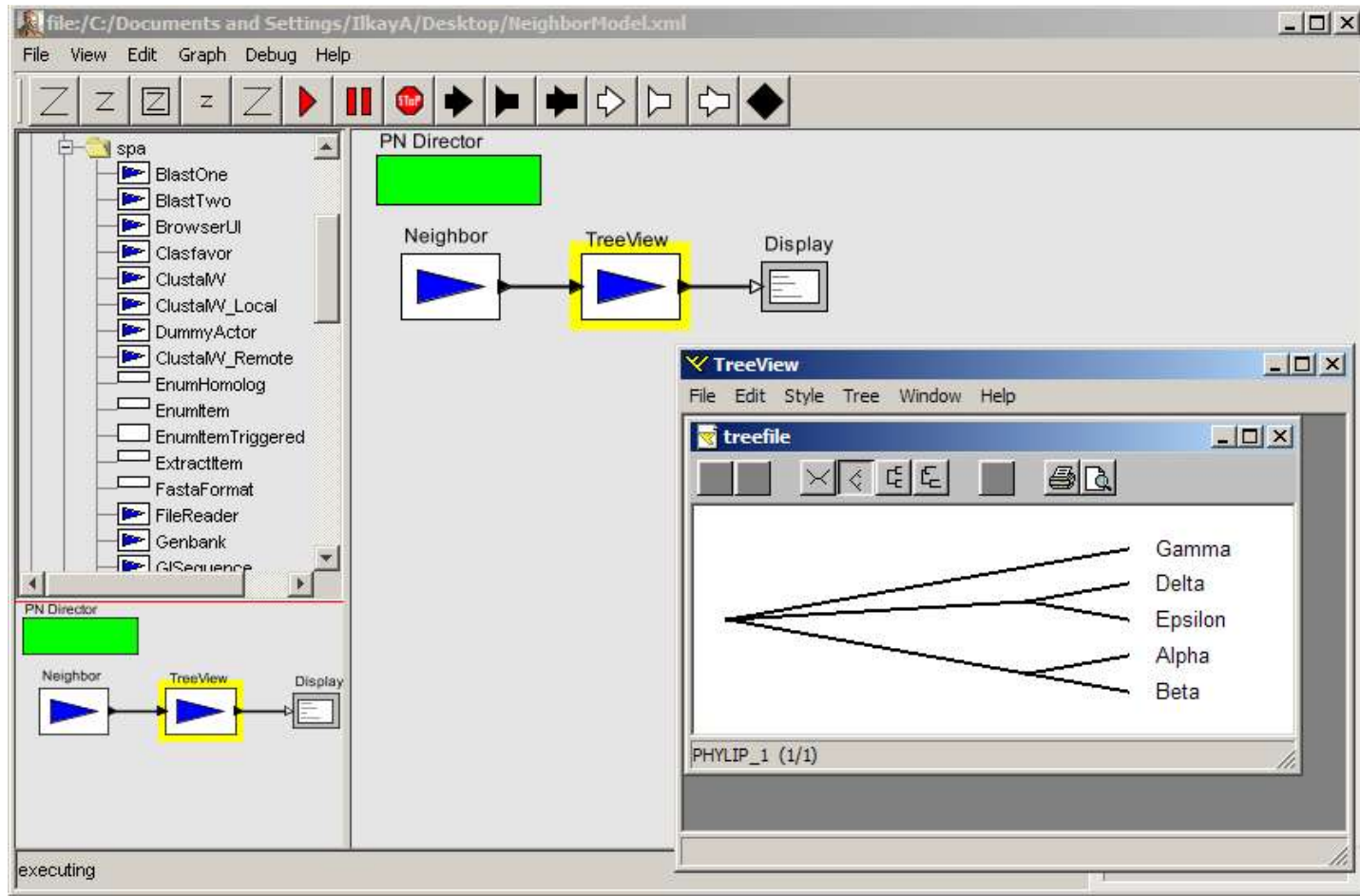
In the next year:



Workflows using modules as required

CIPRes Software Development

In the following years: Visual Programming Tools to manage your workflow



CIPRes Database Development

Release schedule

06/2004 Treebase in 4d/Mac OS9.



08/2004 Treebase mirror in MySQL, new search features added.



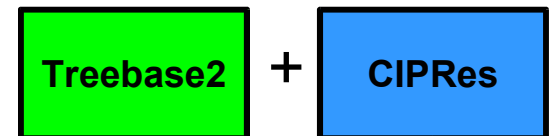
12/2004 Treebase2 Schema V 1.0; admin tools; User interfaces; DB2.



03/2005 Treebase2 Schema V 1.1; Non-Newick tree formats; transitive closure.

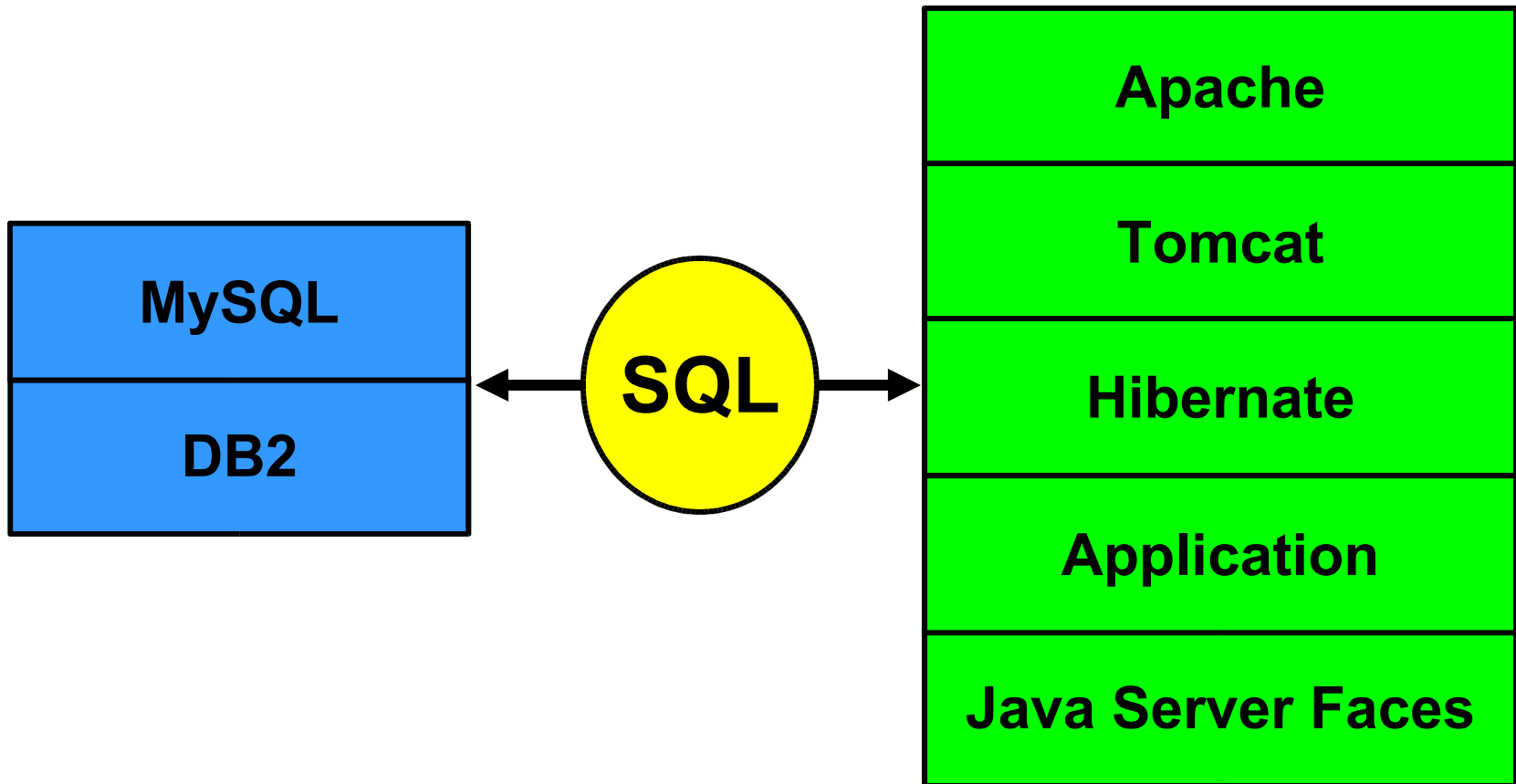


12/2005 Treebase2 Schema V 1.3; CIPRes Software release with a personal db.

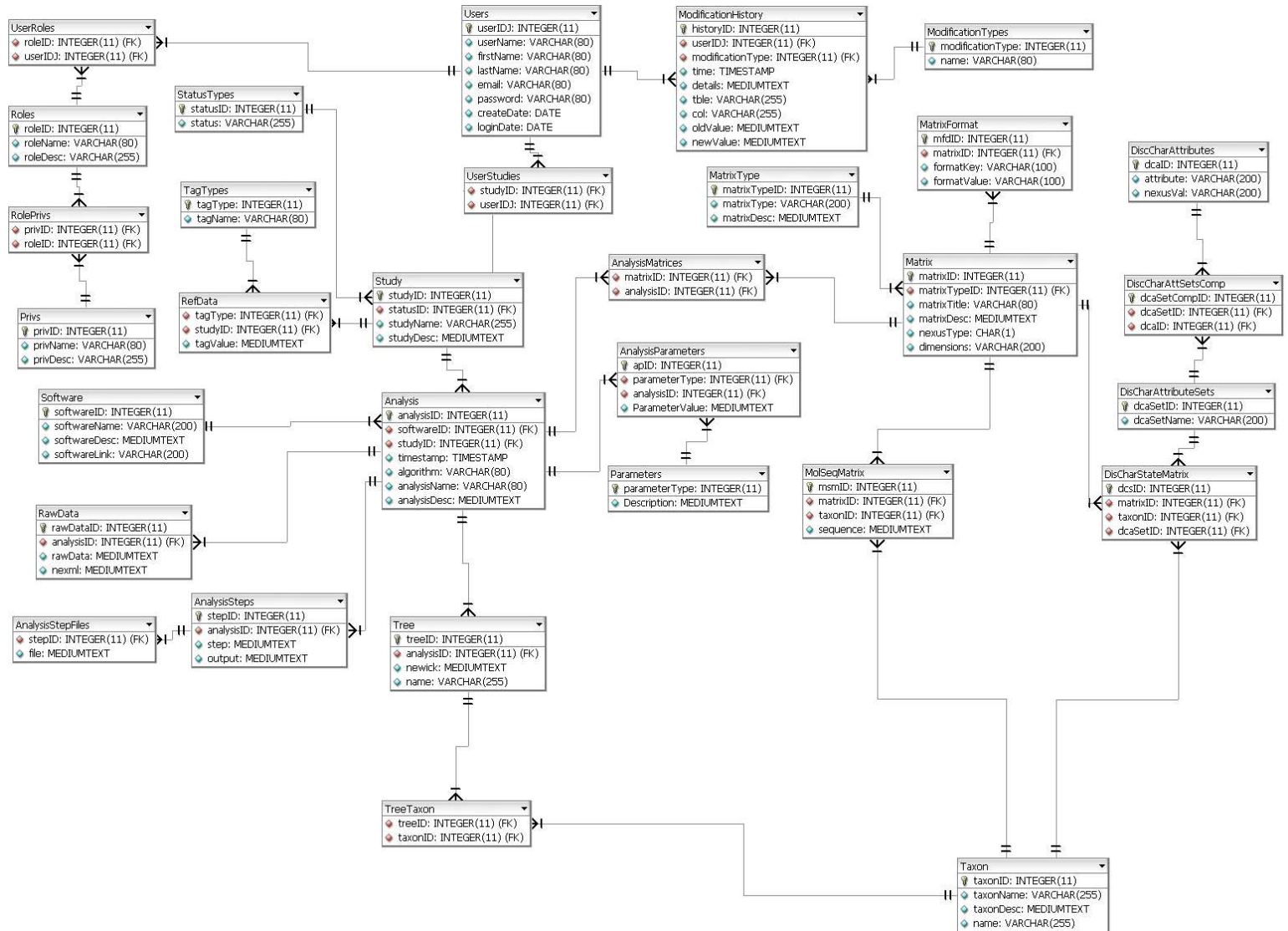


CIPRes Database Development

Treebase2 Software Stack



Preliminary Schema for Treebase2



CIPRes Hardware

