



system&service monitor development project

introduction

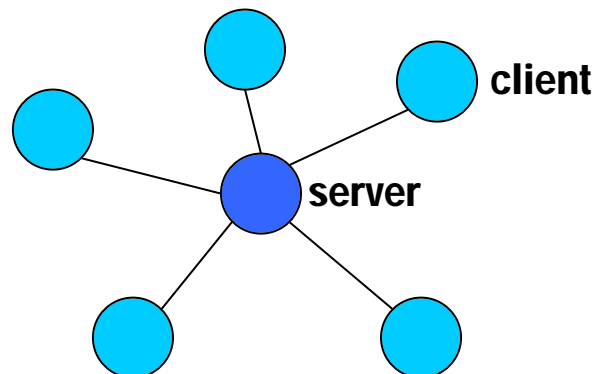
- **the project gossips**
- **structure of the system&service monitor**
- **object oriented framework**
- **structure of a host**
- **functionality of gossips**
- **probe-history-test-scheduler**
- **knowledge base**
- **commandline interface**
- **configuration & start-up**
- **next project**

the project gossips

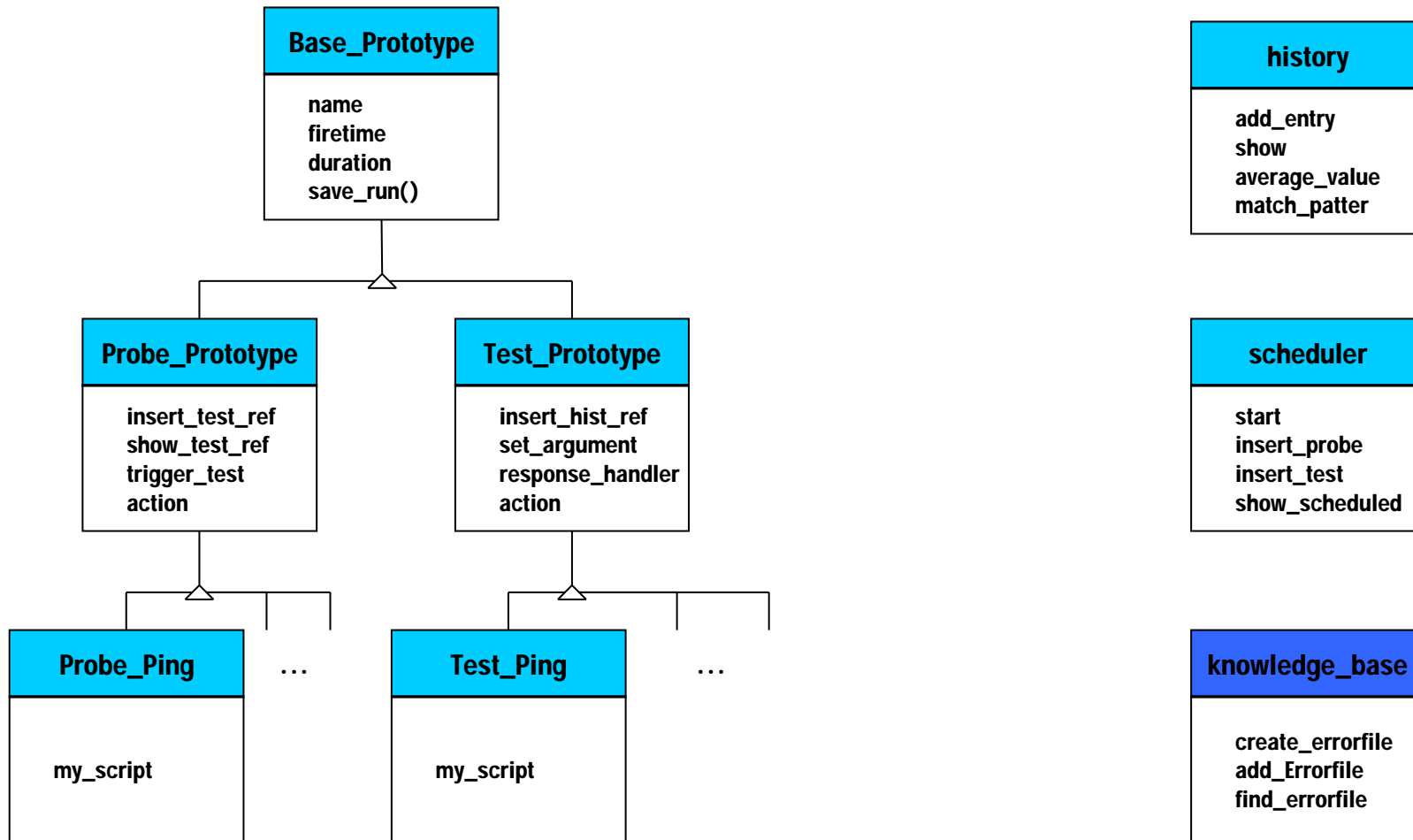
- **further development on the monitor software gossips of Albert Wuersch**
- **assignments:**
 - **configuration - system**
 - **communication - system**
 - **knowledge base**
 - **documentation**
 - **commandline interface**
- **ease the work of the system manger**
- **higher availability**

structure of the system&service monitor

- **separation of data collection and data evaluation
(probe: collection object | test: evaluation object)**
- **monitor has no states**
- **history builds interface between probe and test**
- **distributed system with centralized server**



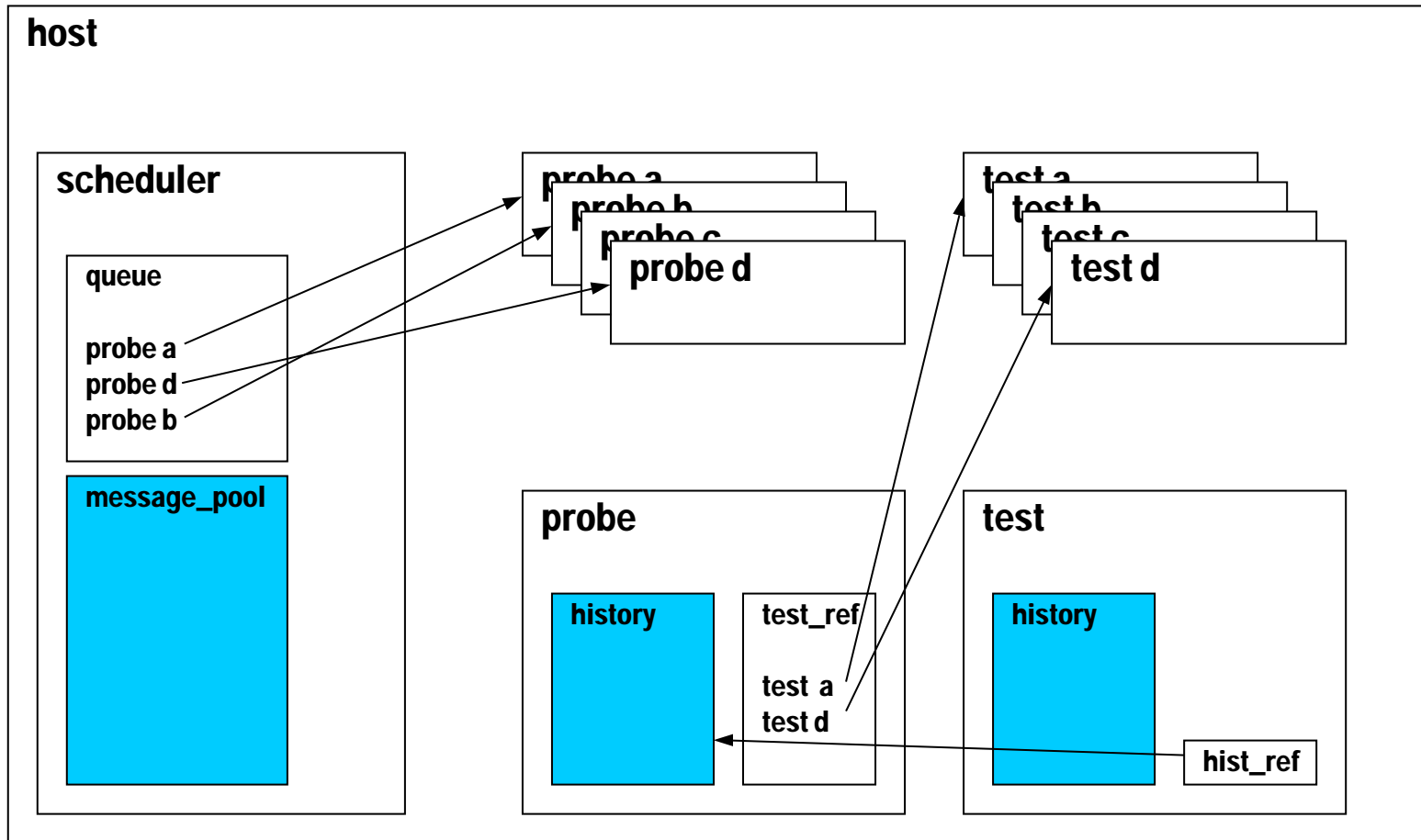
object oriented framework



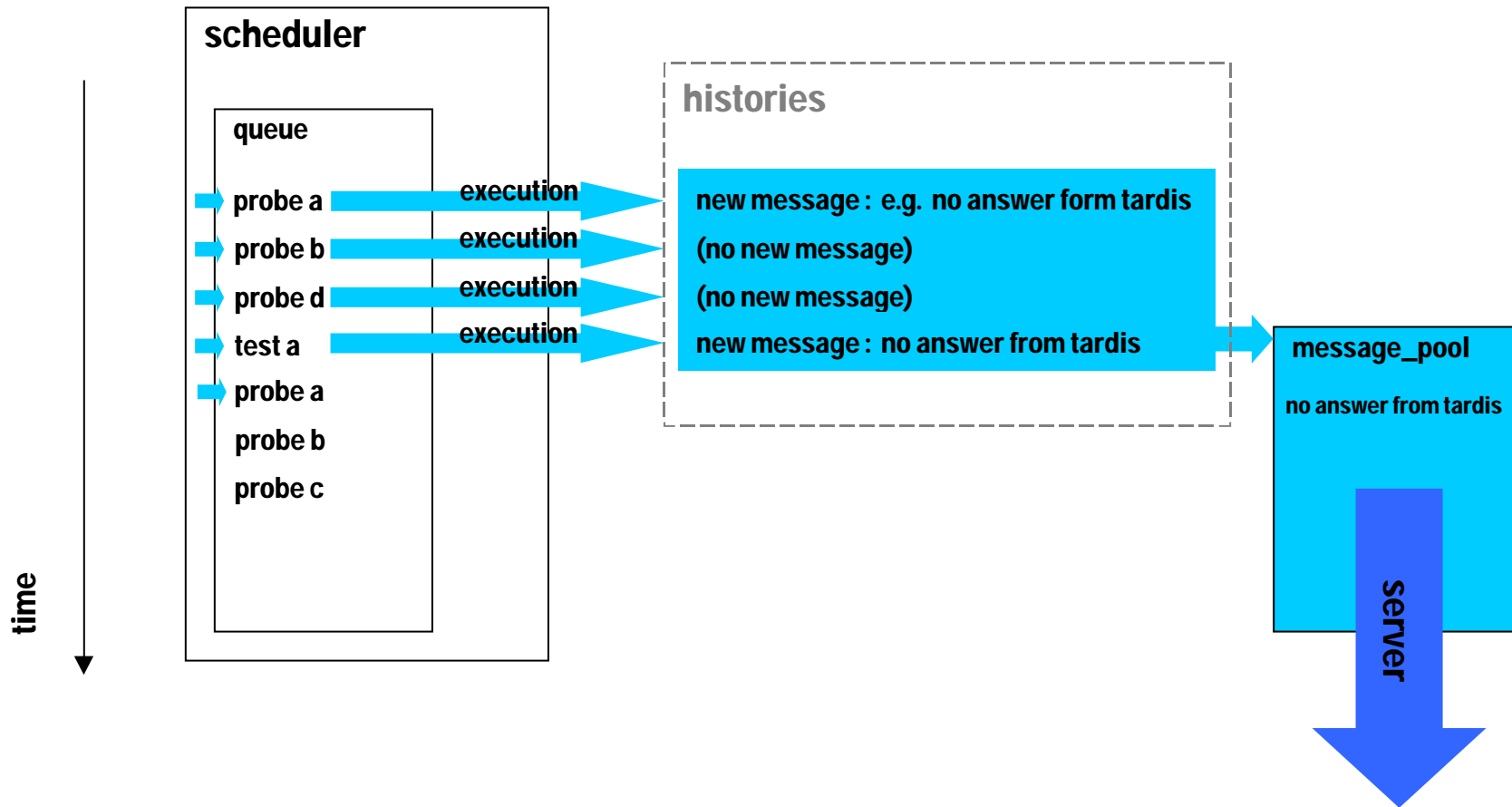
functionality of gossips

- **tests implementation defines different states**
- **probes measure a system or a service and collect data**
- **tests evaluate the information from the history of the probe**
- **tests recognize changes of the defined states and report them to the server**

structure of a host



probe-history-test-scheduler



knowledge base

- **knowledge base builds the link between gossips and the system manager**
- **client sends message**
- **server test evaluates them**
- **error file is chosen or created**
- **error files contains problem description and problem solution**
- **Transfer message via mail, sms, ...**

commandline interface

- **show commands to present configuration, groups, error files, status**
- **edit error files**
- **test of merged error files**
- **update server with new configuration or list of error files**

configuration & start-up

- **you have to know your IT - system well**
- **what do you want to monitor**
- **two configuration files (hosts | tests)**
- **physical and virtual groups**
- **gossips runs as a daemon**

next project

- **further development on the knowledge base**
- **new transmission possibilities (sms)**
- **more tests (...)**