

Caretaker ... TYPO3 monitoring

T3CON09 - Frankfurt / Germany

The Team



Thomas Hempel



Martin Ficzel



Tobias Liebig



Christopher Hlubek

n@work
Hamburg
www.work.de

networkteam
Hamburg+Kiel
www.networkteam.com/

The work is done...

But: TYPO3 websites need some attention after their creation.

Option 1

Leave it as it is.

Option 2

Check the installation manually and on occasion.

Option 3

Use a centralized IT infrastructure monitoring.

Option 4

Build a centralized monitoring and maintenance solution especially for TYPO3 built on TYPO3 and make it Open Source.

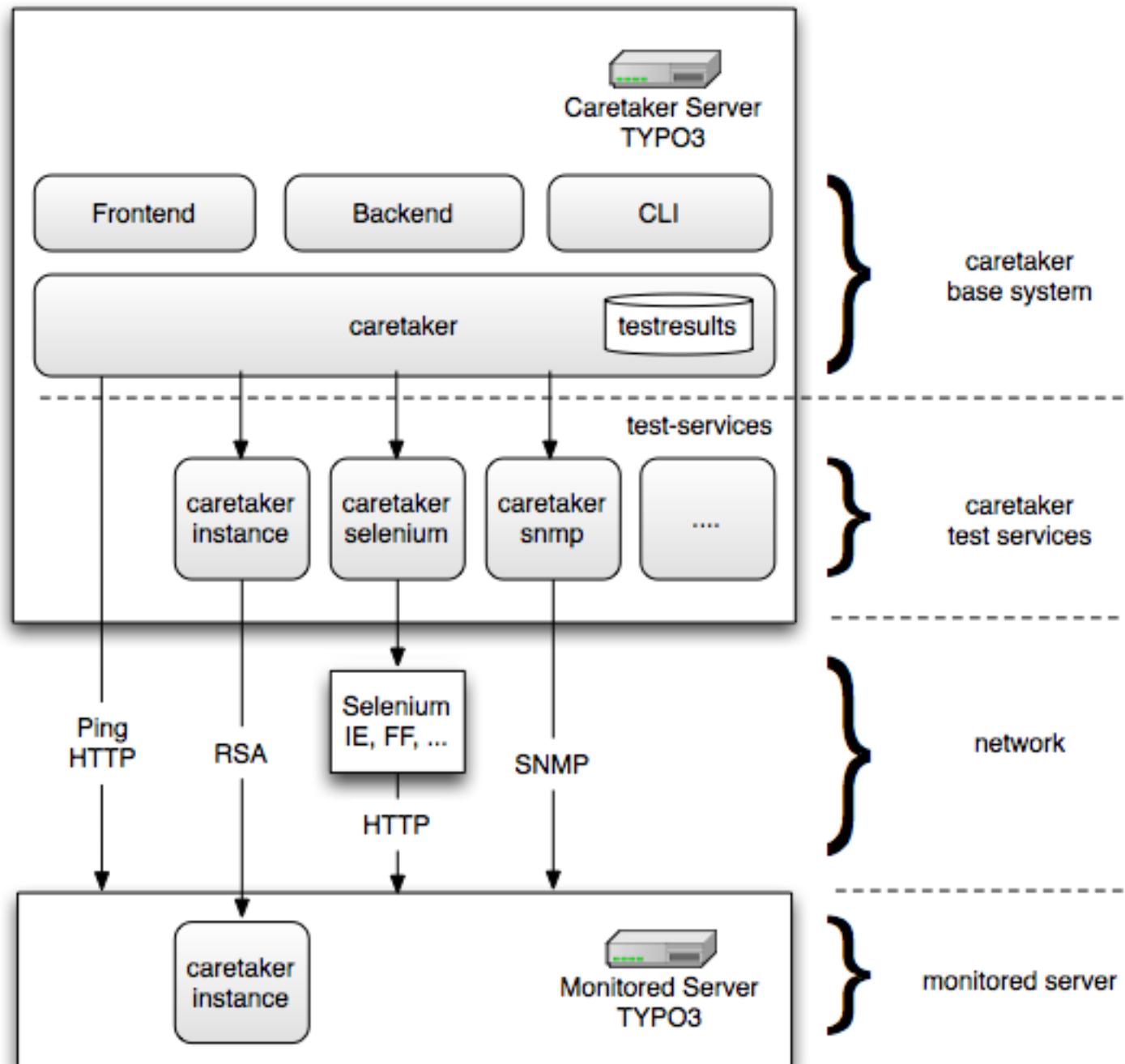
The Caretaker solution

Development Targets

- secure communication
- monitoring rules and logic live on the central server
- the sensor extension should be as simple as possible
- the system should be easily extensible
- the logic structure of the websites (customers, servers, different TYPO3 versions) should be representable
- customers should have access to monitoring information about their websites
- "plug-and-play" for TYPO3 monitoring

Demo

System architecture



Caretaker Server

Central Monitoring TYPO3 Installation

Tasks:

- Manage
- Execution
- Storing of Results
- Aggregation of Group Results

Caretaker instance

- monitored TYPO3 installation
- EXT: caretaker_instance
 - public / private keypair

Caretaker test

- Test type (TYPO3 Services)
- Configuration (Flexform)
- Execution interval
- Time limitations
- Assign to instances or groups

Caretaker hierarchy

- Instancegroup
- Testgroup

Testservices:

- Flexform Configuration
- Service Class
 - method runTest
 - return tx_caretakerTestResult

Services in caretaker base extension

- Ping
- Http

Services in additional extensions

- SNMP (caretaker_snmp)
- ...

Testservices: caretaker_instance

- SSL encrypted communication
- atomic commands only

currently implemented Services:

- Check TYPO3 Version
- Check Extension
- Check for insecure Extensions

Demo2: backend

Future Development

- Password quality tests
- TYPO3 scheduler support
- NRPE tests
- Detect core and extension amodifications
- System status test from report module (in 4.3)
- Record modification time test
- Acknowledgment of Errors
- Escalation Strategies

One more Thing : caretaker_selenium

Selenium:

- Java Based Browser RC
- nearly every Browser including IE
- IDE-as Firefox Plugin

caretaker_selenium:

- integration of selenium as caretaker tests
- management of tests and selenium servers

demo: