Data Center in a Wiki

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Documentation Problems

- Keeping track of server farm build-outs
- Documentation un-maintainable (time)
- No time to update documentation

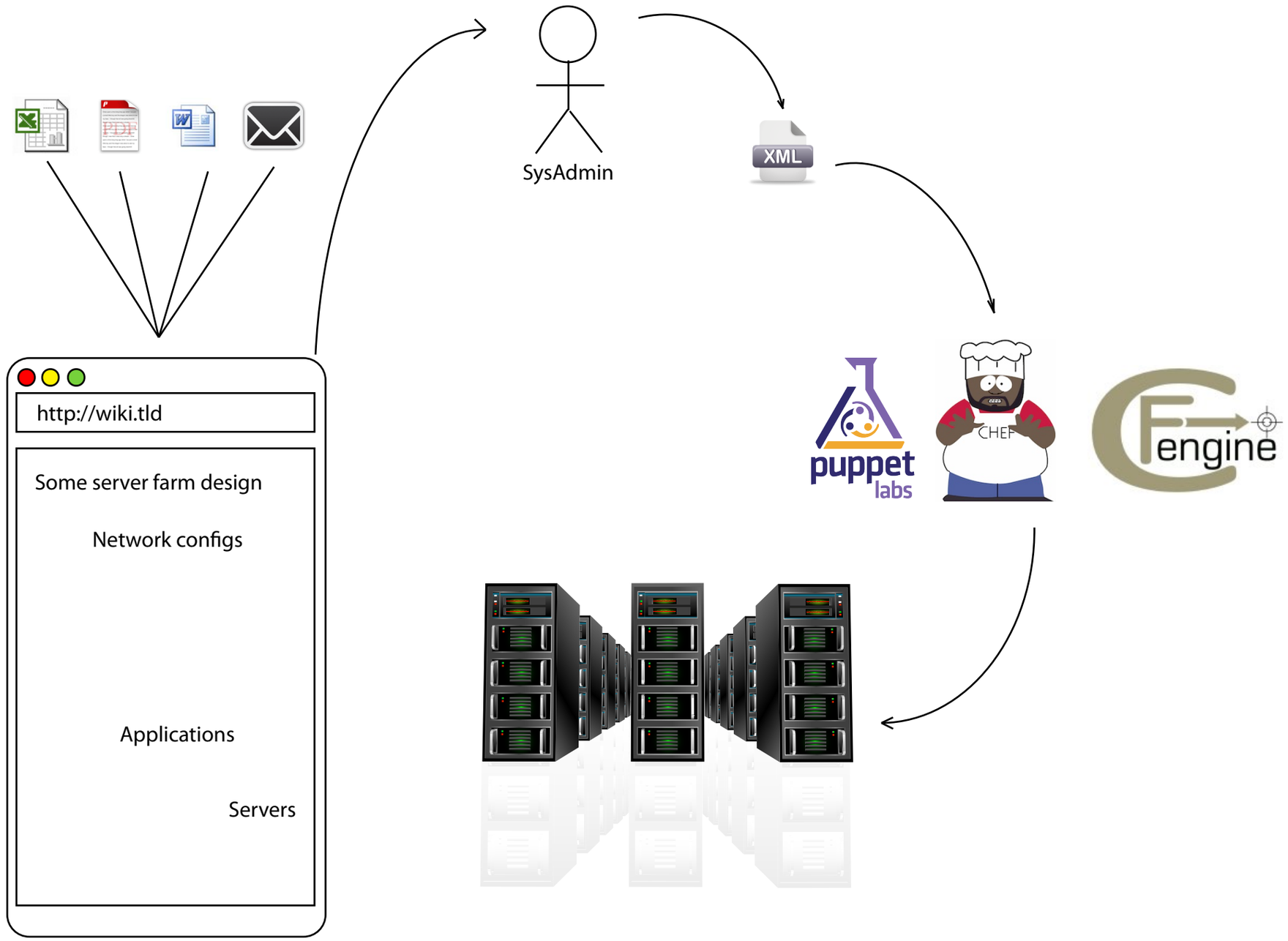
Benefits

- Concepts can apply to any process, not just building server farms
- Benefits of automation and expression provide endless possibilities for solving problems

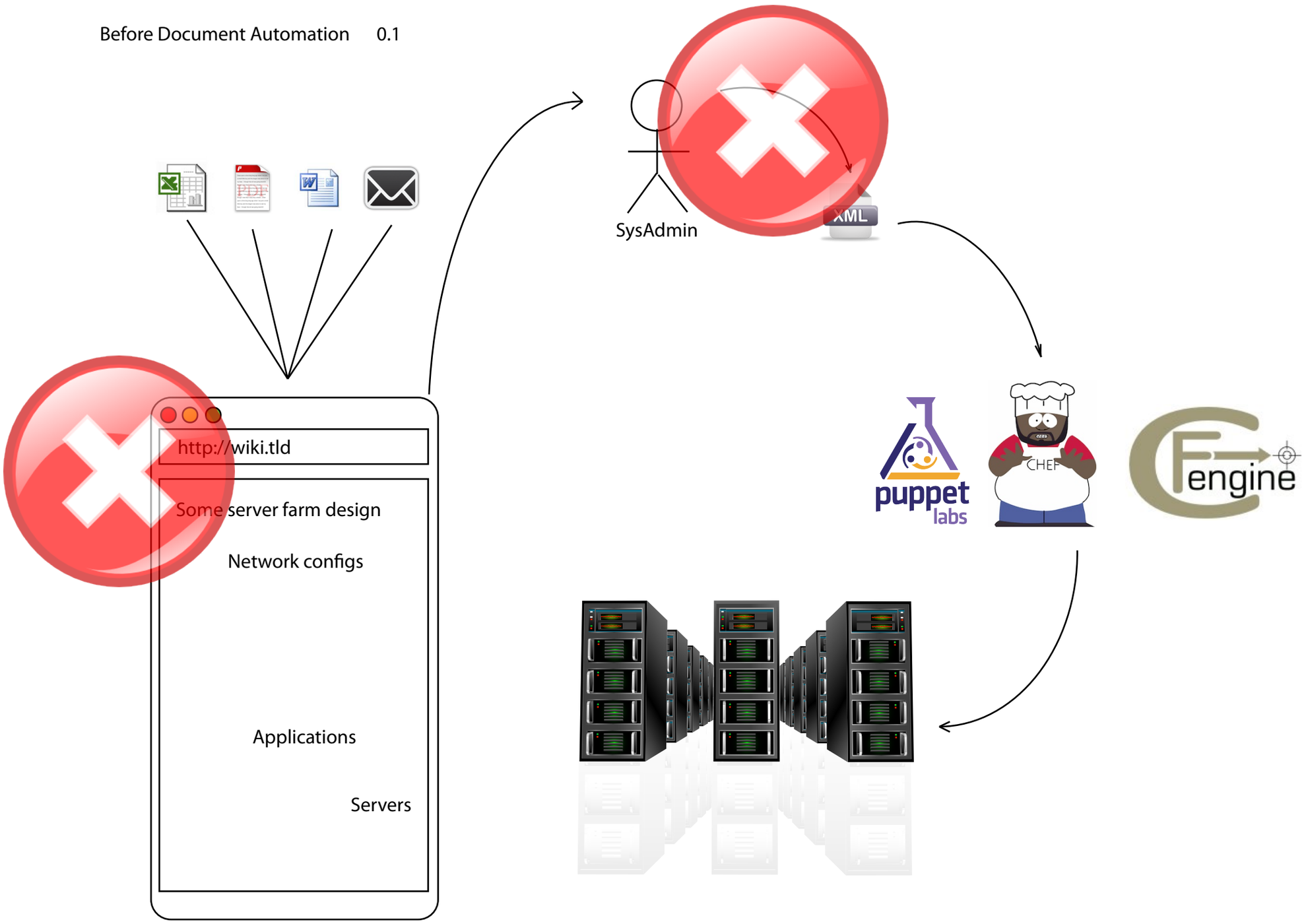
- Simplification of build outs
- Available to anyone
- Code & Process improvement
- Reduction of errors
- Up to date

Automate & Standardize

Before Document Automation 0.1



Before Document Automation 0.1



MyProductionWebsite-DEV

Added by Matthew Sacks, last edited by Matthew Sacks on Oct 10, 2010 (view change)

Farm (Environment) Name

MyProductionWebsite-DEV

Servers

Hostname	IP	Subnet
appserver1	10.10.10.1	255.255.254.0
appserver2	10.10.10.2	255.255.254.0
dbserver1	10.10.20.1	255.255.255.0

Networking Information

ACLs

10.10.10.2

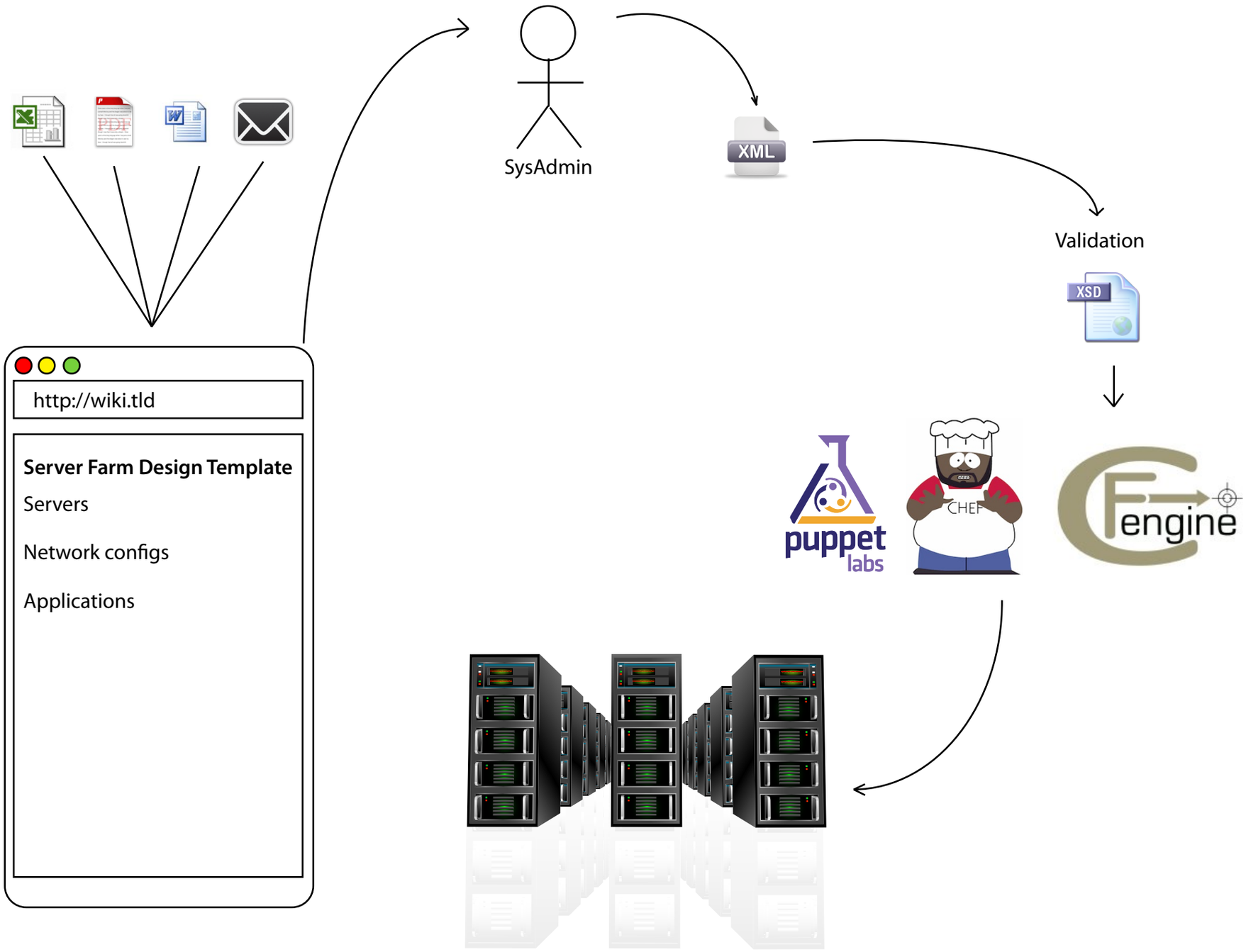
VIPs

appvip1.vip.mydomain.com

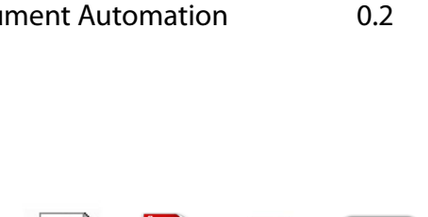
Applications

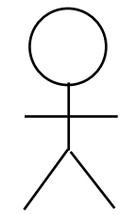
Tomcat
CustomWARFile1

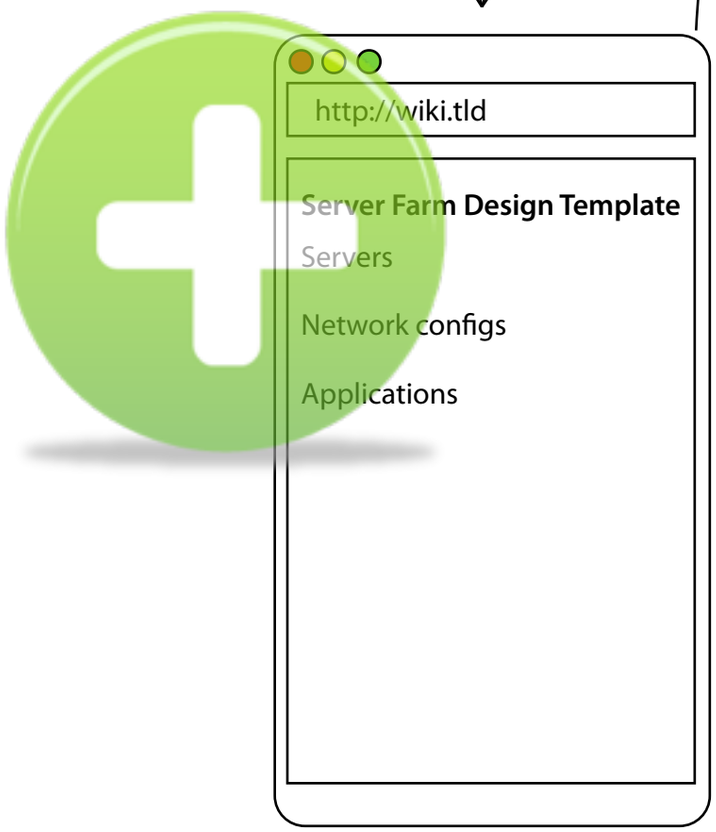
Document Automation 0.2

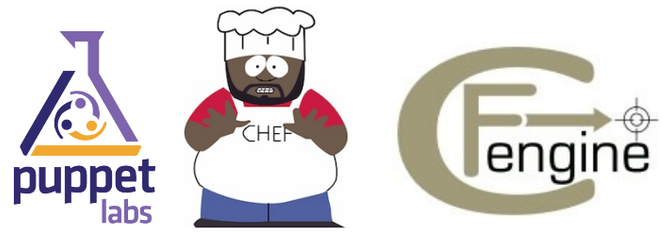


Document Automation 0.2

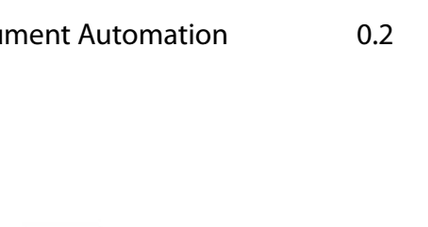


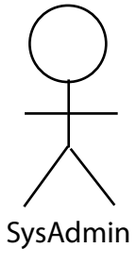




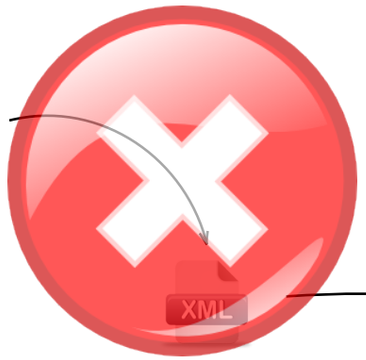


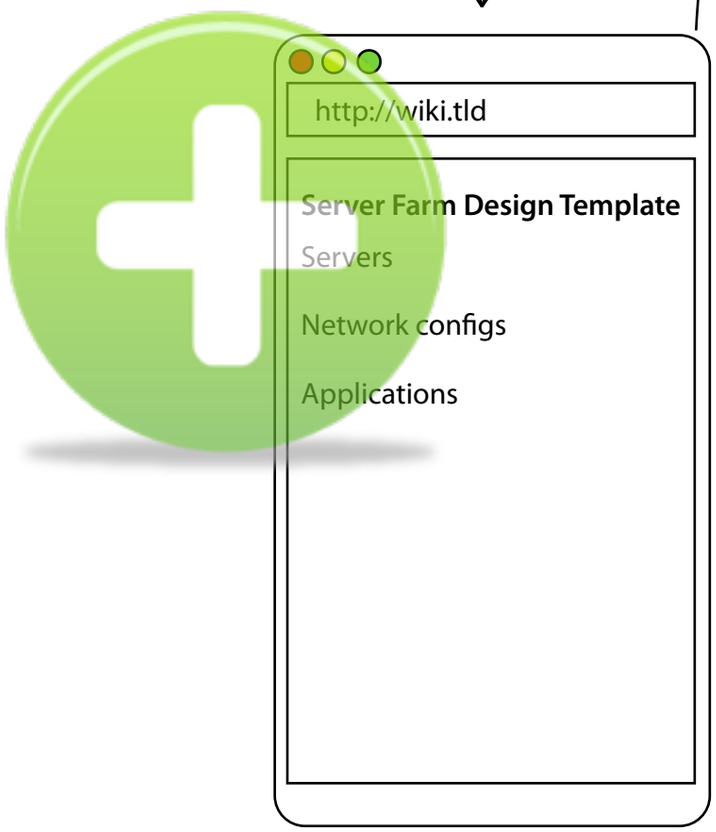
Document Automation 0.2

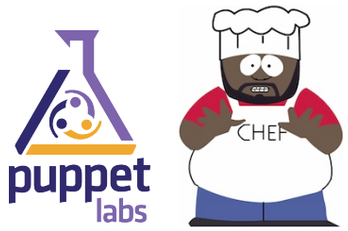


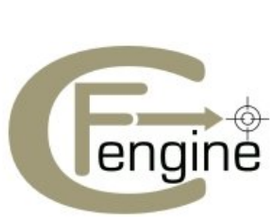


SysAdmin

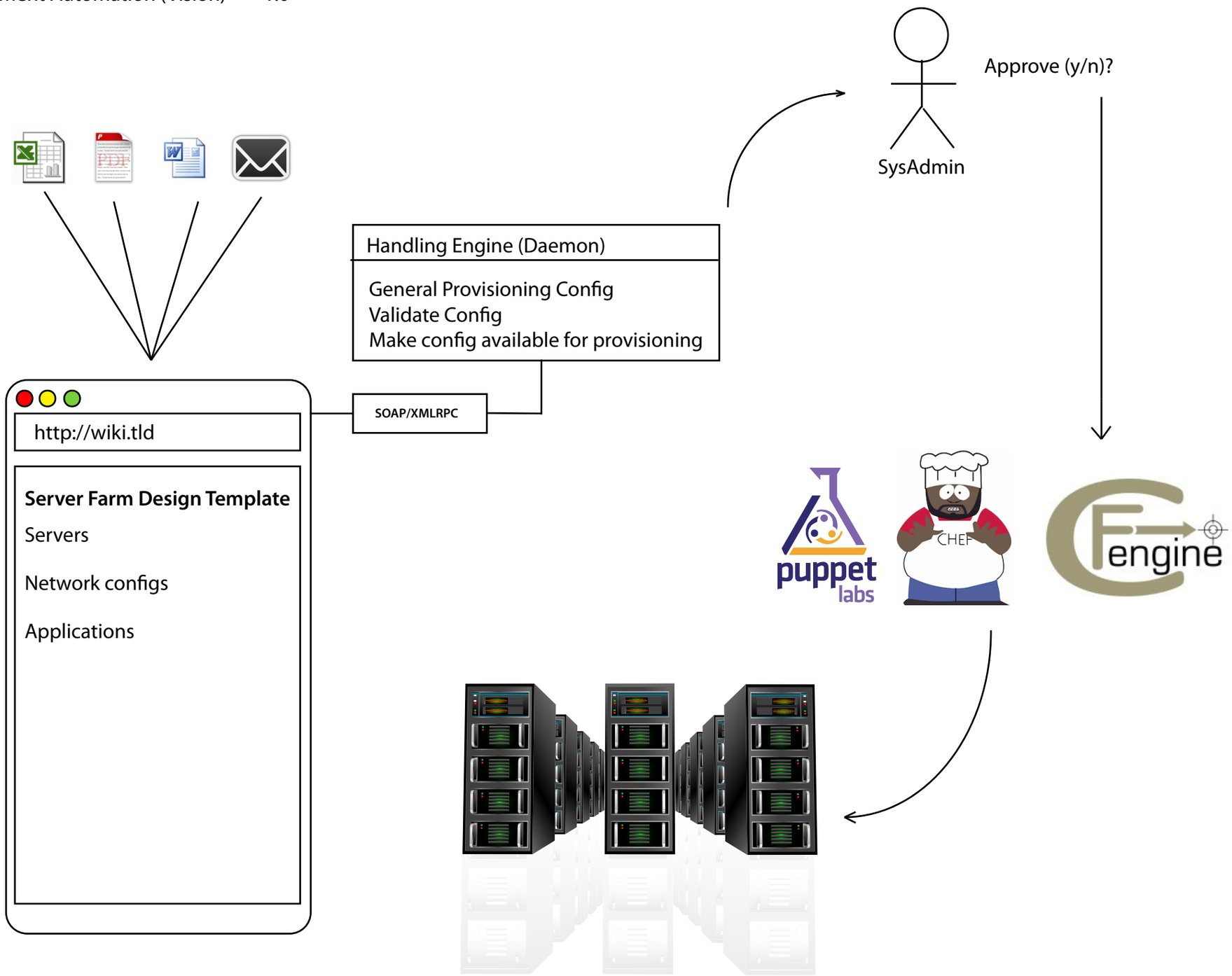




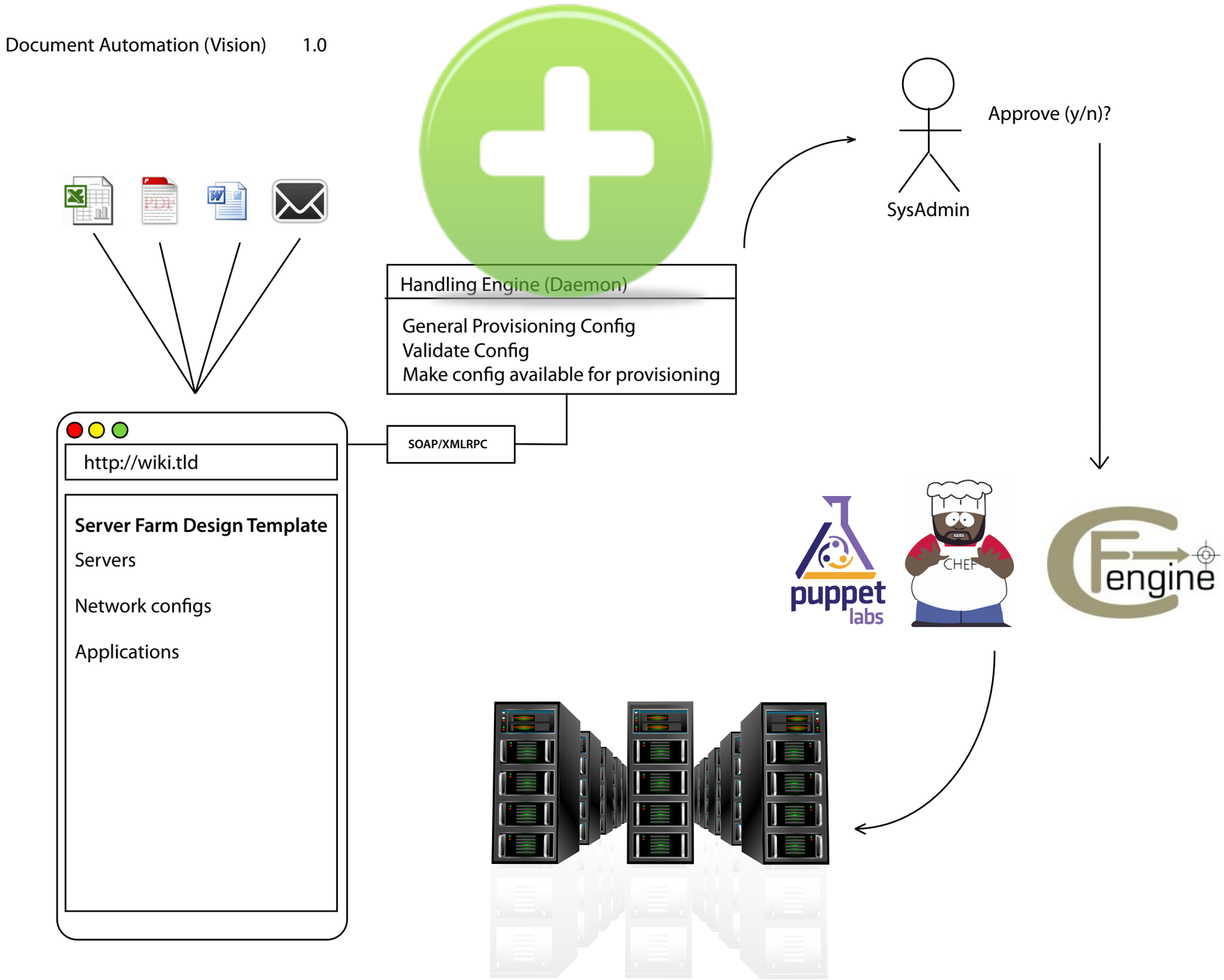




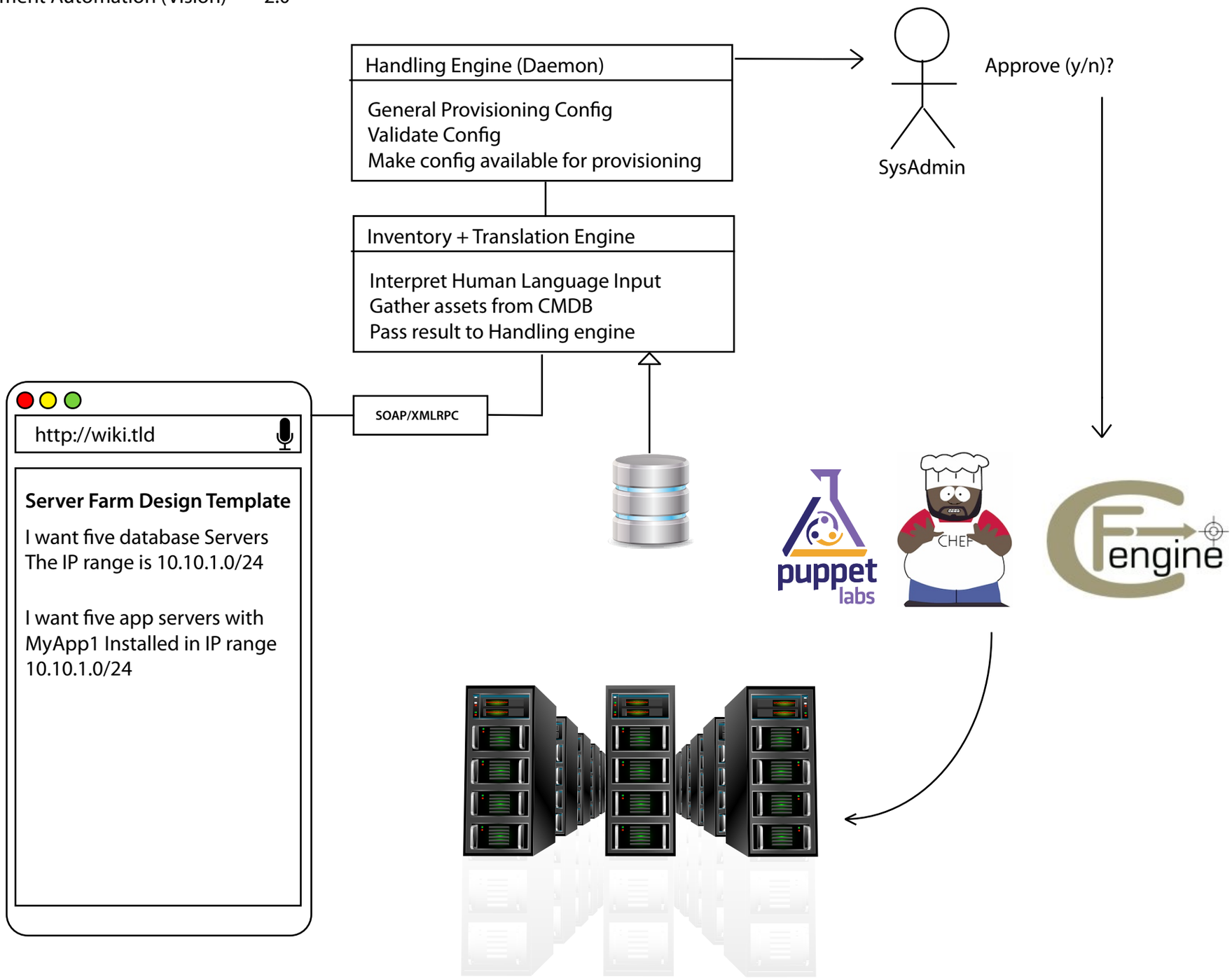
Future Automation with Documentation


Approve (y/n)?
SysAdmin
Handling Engine (Daemon)
General Provisioning Config
Validate Config
Make config available for provisioning
SOAP/XMLRPC
http://wiki.tld
Server Farm Design Template
Servers
Network configs
Applications
puppet labs
CHEF
engine

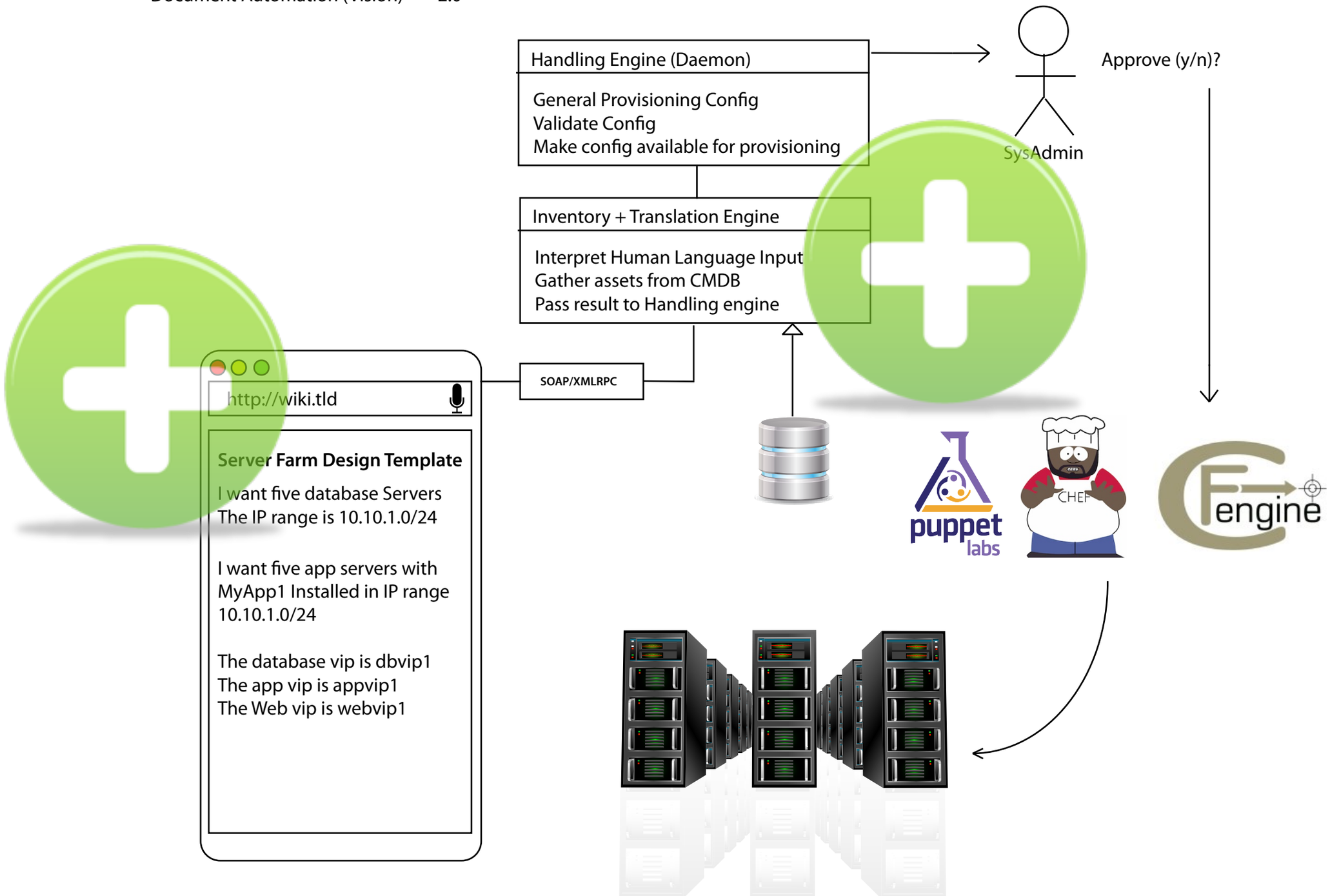
Document Automation (Vision) 1.0



Document Automation (Vision) 2.0



Document Automation (Vision) 2.0



- Documentation holds a great wealth of power by fusing the expressiveness of documentation with automated systems

- Underutilized

- Expressive

How can you can leverage documentation and automation to solve problems in your daily operations and software development?

Q+A

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