KDE4 - an integration platform for IT infrastructure management

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KDE is my place for

- office, communication, ...
- development
- administration (services, machines, ...)

I want to access my network(objects) from KDE direct
concepts

**show** information from the network *in* the desktop

**control** network objects

**organise** information

easy to **change** (add/delete/move widgets)

**individual**: different accounts → different desktops

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task specific desktops

put all information around a task / theme to one virtual desktop

→ easy overview (useful for non experts too)

→ great for service companies

→ different (complex) desktops for different accounts
technologies

widgets: superkaramba, plasmoids

object descriptions in an openldap db
+ scripts to generate the widgets

openssh autologin to hosts

scripts for checks (monitoring) and actions

kommander based mini apps
widget: host + services

- name of object
- status
- service
- konqueror to /root
- host information (network, disks, routes)
- yast in konsole (sorry SuSE only)
- konsole to root-Shell
- control app
- client to access this service (has to be defined)
widget: groups

status

name of object

status is ok (green)
if all members are ok

members:
  hosts
  services
  devices
  groups

roll out

roll in

group widget
theme file (sk widget)

KARAMBA  X=100  Y=100  W=226  H=26  interval=0  locked=false
image  x=25  y=0  path="host-hell-klein.png"

text  x=32  y=5  value="mail"  shadow=1  color=0,0,0  align=left  fontsize=12
font="Bitstream"

image  x=0  y=1  sensor=program
program="lax-host-check  host=mail,laxnet=buero,o=teegee,ou=lax"
interval=600000

<GROUP>  x=145  y=5
image  x=0  y=0  path="log.png"  TOOLTIP="Konqueror"
image  x=20  y=0  path="info.png"  TOOLTIP="192.168.10.110 - Mailserver"
image  x=60  y=0  path="konsole.png"  TOOLTIP="Root-Shell"

CLICKAREA  x=0  y=0  w=18  h=18  preview=false  SENSOR=PROGRAM
ONCLICK="konqueror fish://root@192.168.99.111"
CLICKAREA  x=20  y=0  w=18  h=18  preview=false  SENSOR=PROGRAM
ONCLICK="lax-host-info-html mail"
CLICKAREA  x=60  y=0  w=18  h=18  preview=false  SENSOR=PROGRAM
ONCLICK="konsole -title root@mail -e lax-login host=mail,laxnet=buero,o=teegee,ou=lax"
</GROUP>
manage widgets

widget templates for hosts, services, groups, text, devices, programs

scripts to manage the widgets

sk-host-add, -list, -del
sk-host-full-add, -list, -del

sk-device-, sk-service-, sk-info-, sk-group-
object descriptions

store object descriptions in openldap
seperate ldap scheme (lax-scheme)

scripts and a gui to access the openldap

laxdb-service-add, -list, -del
Laxdb-service-attribute
service desktop

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admin context
what we lack of

store / restore a virtual desktop

a replacement for kommander or kommander for KDE4

nice plasmoids

trigger widgets
thanks

questions?

ideas?