

BPView

a universal Business Process View UI
and Business Process Manager

<http://github.com/ovido/BPView>



BPView: Overview

A universal Business Process View UI for different Monitoring Environments

Nagios, Icinga, Opsview, MonIT, Hyperic, MSCOM, Zabbix, OpenNMS, Munin, BMC, Tivoli, and more ...

Including:

- ➔ Business Process Status-View (Dashboards)
- ➔ BP Config Writer for some Monitoring-Tools
- ➔ Business Process Editor



BPView: Roadmap

Stage 1

- ◆ Perl Core
- ◆ JavaScript Core
- ◆ YAML Config Base
- ◆ Dashboard
- ◆ rpm Package-BUILDER
- ◆ Support for
 - ◆ Nagios
 - ◆ Icinga
 - ◆ BP-Addon API
 - ◆ IDO / NDO Utils

Finished 99%

Stage 2

- ◆ Business Process Style Format
- ◆ BP-Addon Config Writer
- ◆ Nagios / Icinga Config Writer
- ◆ deb Package Builder
- ◆ Support for
 - ◆ BP-Addon
 - ◆ IDO / NDO Utils
 - ◆ Opsview
 - ◆ Merlin
 - ◆ mk_lifestatus

Finished 70%

Stage 3

- ◆ Embedded Business Process Monitoring Instance
- ◆ Business Process Creator and Editor
 - ◆ generate BPs by Groups
 - ◆ get Services from the Monitoring directly
- ◆ Auth via AD / LDAP
- ◆ Support for
 - ◆ MonIT

Finished 5%

Stage 4

- ◆ Business Process Creator and Editor Enhancement
- ◆ Support for
 - ◆ Microsoft System Center Ops Mgr.
 - ◆ Hyperic
 - ◆ Zabbix
 - ◆ OpenNMS
 - ◆ Munin
 - ◆ BMC
 - ◆ Tivoli

Finished 0%



BPView: Dashboard 1

- ▶ Fast and simple aggregation view for a business case
- ▶ Multiple Levels for Environments, Teams, Products and Business cases

The screenshot displays the BPView dashboard interface. At the top, the title 'BPView' is followed by the subtitle 'a universal Business Process View UI for Icinga and Nagios'. To the right, a 'Dashboard:' dropdown menu is set to 'ovido'. The main content area is titled 'production' and contains two sub-sections: 'mail' and 'web'. The 'mail' section shows two green status buttons labeled 'lb' and 'zarafa'. The 'web' section shows three status buttons: 'lb' (green), 'otrs' (green), and 'webserver' (red). The footer of the dashboard includes the copyright notice '© 2013, ovido gmbh' on the left and the timestamp 'Last refresh: 17.08.2013, 15:14:48' on the right.

BPView: Dashboard 2

- ▶ Detail View for any business case or product
- ▶ Service State directly from one or more monitoring daemons

BPView a universal Business Process View UI for Icinga and Nagios

Dashboard: ovido

webserver

ovido-dvalin.lan.ovido.at

DNS Caching Check	DNS OK: 0.078 seconds response time. www.google.at returns 173.194.113.183,173.194.113.184,173.194.11...	OK
LDAP Check	LDAP OK - 0.006 seconds response time	OK

ovido-heimdall.dc.ovido.at

DNS OK: 0.078 seconds response time. www.google.at returns 173.194.113.183,173.194.113.184,173.194.113.191		
Apachestatus Check	UNKNOWN 403 Forbidden	UNKNOWN
Gearman Queue Check - bp-addons	check_gearman OK - 0 jobs running and 0 jobs waiting. Version: 0.25	OK
MySQL long running procs	CRITICAL - cannot connect to information_schema. Access denied for user 'monitoring'@'localhost' (using p...	CRITICAL
Swap Check	SWAP OK - 87% free (1779 MB out of 2047 MB)	OK

ovido-rhevm.lab.ovido.at

RHEV Cluster Host Check - ovido-local	RHEV OK: Cluster ok - 1/1 Hosts with state UP	OK
RHEV DC StorageDomain Check - ovido-local	RHEV OK: Datacenters ok - 2/2 StorageDomains with state Active	OK
RHEV DC StorageDomain Usage - ovido-local	RHEV WARNING: storage warning - 72.88% used (ovidio-local)	WARNING
RHEV VM Pool Check - ovido-win7	RHEV CRITICAL: VM Pool critical - 0/0 vms free	CRITICAL

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Last refresh: 18.08.2013, 12:09:26



BPView: Config Writer

▶ YML based Business Processes Products

▶ Config Checker and Deployment

▶ Config generation

→ for any monitoring involved tool such as Nagios, Icinga, BP-Addon and more

```
define service {
    use          bpview-detail-service
    service_description env-topic-product_and
    check_command    check_bp_status!env-topic-product_and!bpview.conf
}
```

```
# BP-Definition: The Name
# BP-Description: This BP is my favorite sample
#+++++
env-topic-product_min = 1 of: env-topic-prod2;env-topic-prod2 + env-topic-prod;
env-topic-prod + host-nr1;service_nr3 + host-nr1;service_nr1 + host-nr1;service_nr2
display 0;env-topic-product_min;The Name
```

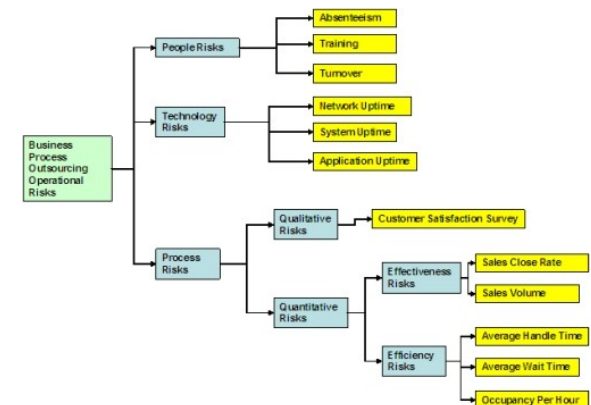
```
env-topic-product_min.yml
env-topic-product_min:
  BP:
    NAME: "The Name"
    DESC: "This BP is my favorite sample"
    TYPE: min
    DISP: 0
    MIND: 1
  HOSTS:
    host-nr1:
      service_nr1:
      service_nr2:
      service_nr3:
    BPROC:
      env-topic-prod:
      env-topic-prod2:
```

BPView: Business Process Editor

- ▶ Create and edit your business processes and products
- ▶ Multi-Level BP's
- ▶ Proceeds Services from one or more monitoring systems directly
- ▶ Servicechecks from different Systems useable in one BP
- ▶ AND, OR, and MIN correlations
- ▶ Authentication via AD or LDAP

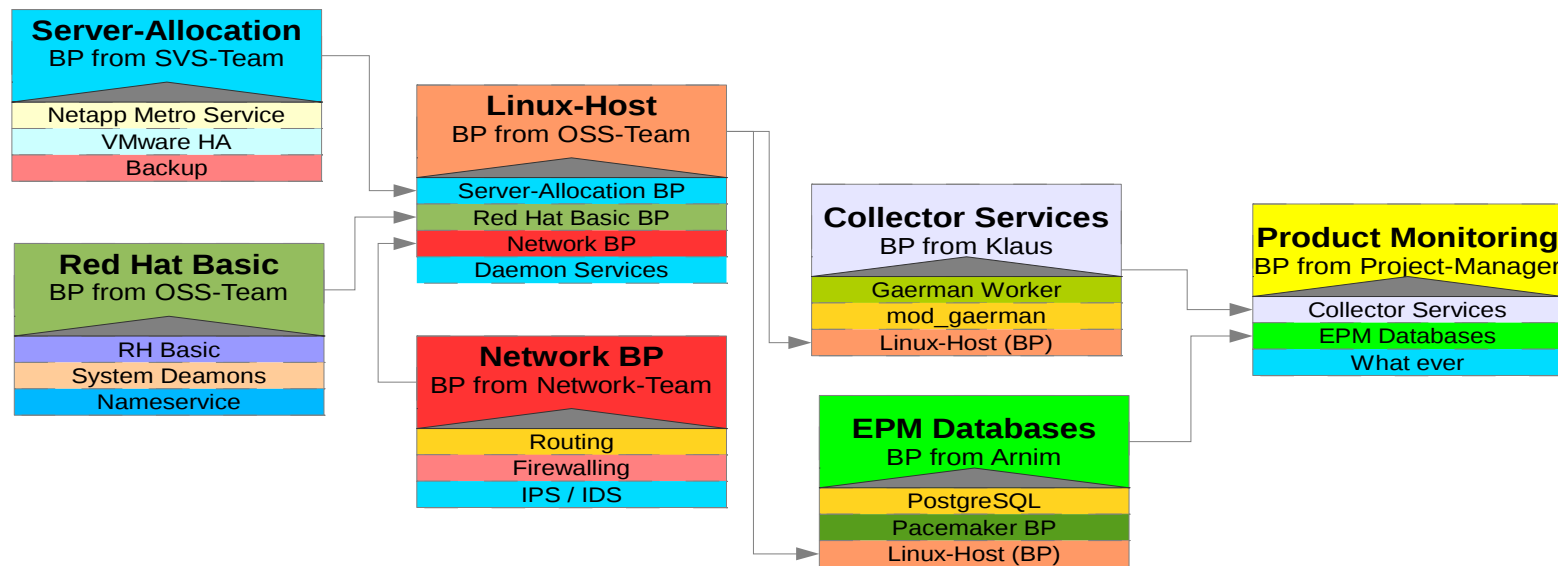
Upcomming feature

- ▶ Group / Team based
- ▶ Extensive Right-Management for Groups and Users (Stage 4)



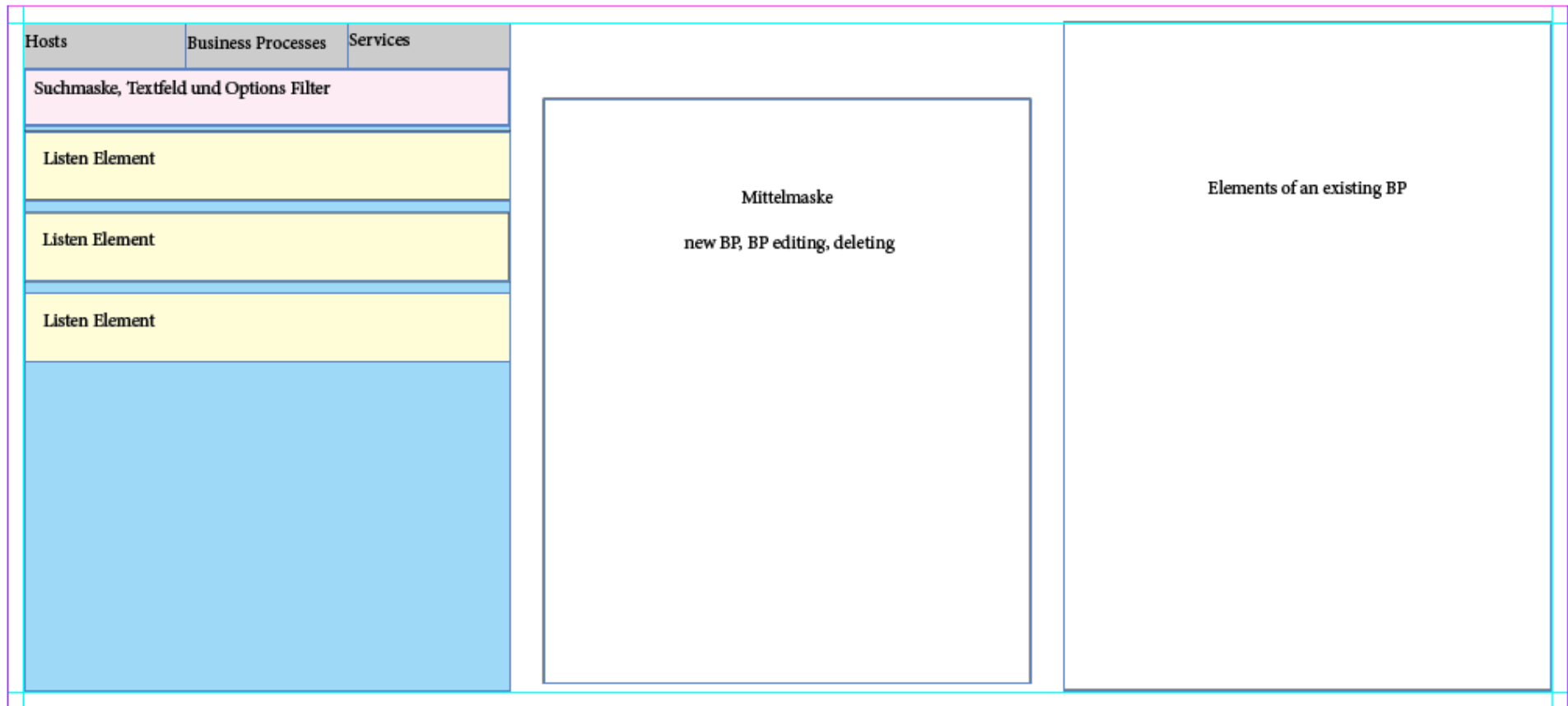
BPView: Business Process Editor

Upcomming feature



BPView: Business Process Editor

Upcomming feature



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Thank you

