



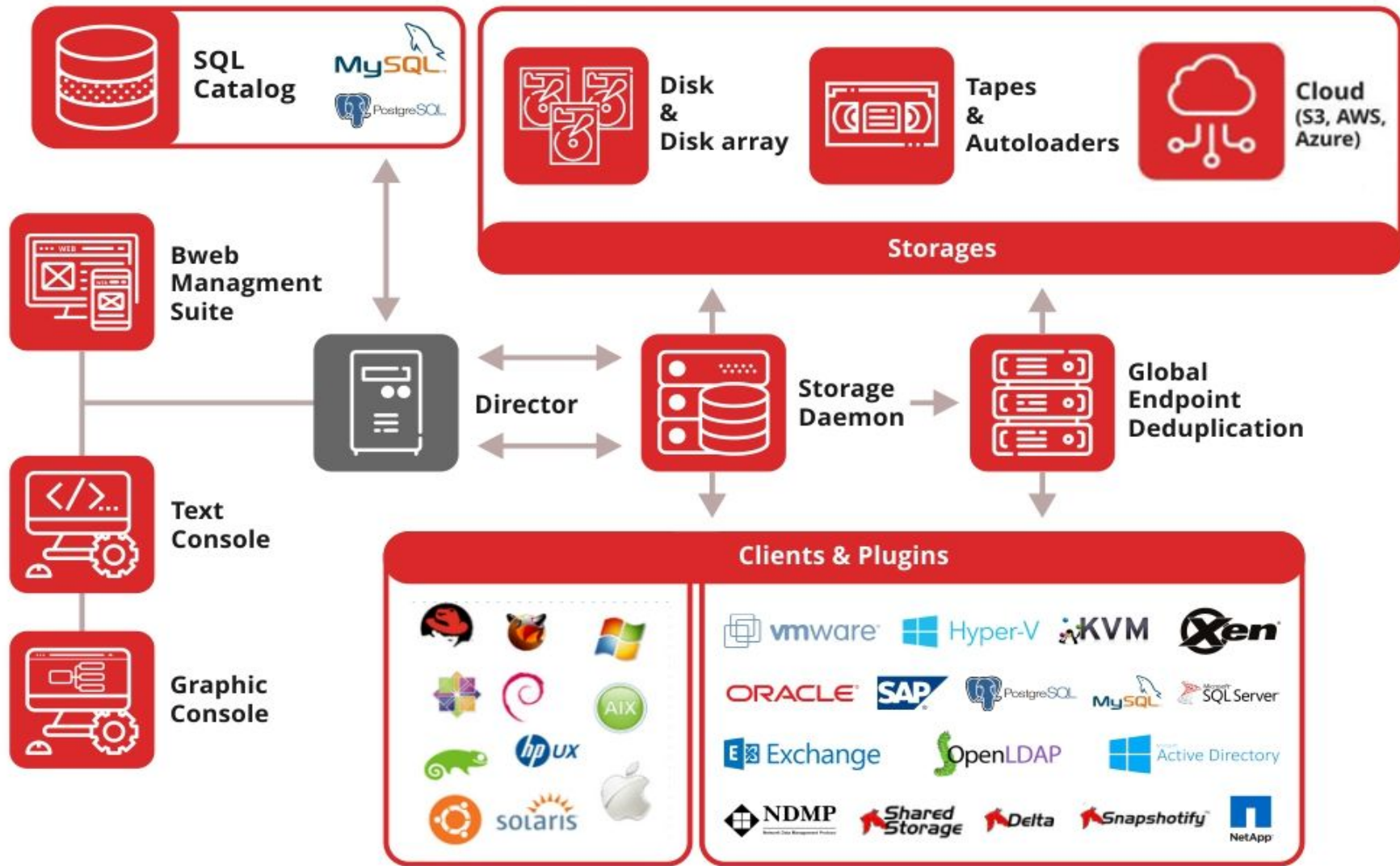
Oficina Instalação Bacula Comunidade - 2021 Confloss

www.bacula.lat | heitor@bacula.com.br

- Udemy.com <<http://www.bacula.lat/community/treinamento-bacula-ed/>>
- YouTube <<https://www.youtube.com/user/heitorfaria>>
- Livro Bacula 4a Edição Brasport
- Meu contato: heitor@bacula.com.br
- Nosso site <<http://www.bacula.lat/>>
- Telegram: @baculabr
- Site Oficial Projeto: bacula.org
- GIT <<https://www.bacula.org/git/>>
- Lista "bacula-users" <bacula-users@lists.sourceforge.net>
- Lista "bacula-devel" <bacula-devel@lists.sourceforge.net>



- Backup
- GPL
- REST API
- Sistema Distribuído



Backups Hoje



- O Software de Backup **não Deve ser um Monólito**, mas Permitir a Mineração de Dados de seus Metadados (entre outros): “sem esses recursos, um backup produto está estagnado e não é capaz de crescer dentro de um ambiente” [Guise]
- Deve ter **Formato Aberto de Catálogo e Gravação do Backup**



ZABBIX

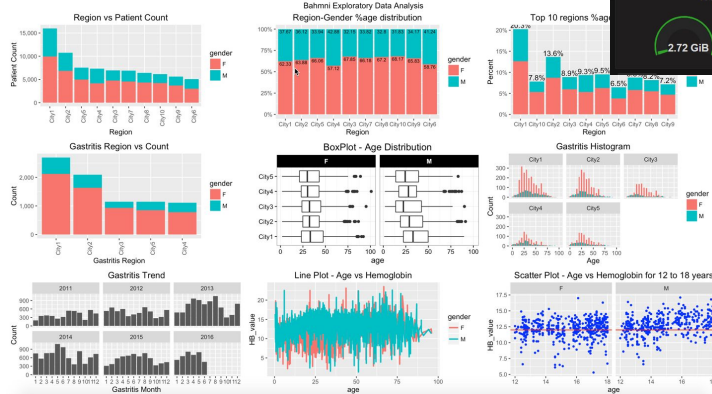
The screenshot shows the Zabbix web interface. At the top, there's a navigation bar with 'Home', 'Get support', 'Press', 'Profile', and 'Logout'. Below that, there are tabs for 'Monitoring', 'Inventory', 'Reports', 'Configuration', and 'Administration'. The main content area is divided into several sections: 'Favourite graphs', 'Favourite systems', 'Favourite hosts', and 'Last 20 issues'. A terminal window is open in the foreground, showing a shell prompt 'root@srv:~#' and some system-related commands and output.

Nagios®

The screenshot displays a NetPhone dashboard with a grid of widgets. On the left, there are two 'UP' status indicators. The top row features two line graphs for 'Load' and two circular gauges for 'Used Mem' (48.12 GiB and 47.87 GiB). The second row has another 'UP' indicator, another 'Load' graph, another 'Proc' graph, and two more 'Used Mem' gauges (35.30 GiB and 29.18 GiB). The bottom section contains several more graphs for 'Disk used', 'Used Mem', and 'Proc'.



Grafana



File Daemon



- ★ Criptografia com certificação FIPS
- ★ Configuração Mínima

- ★ Sistemas Legados
- ★ Mínimo Impacto
- ★ Scripts antes e depois dos Jobs



Plugins



- **PRIMEIRO SISTEMA 100% AUTOMATIZADO DE BACKUP DOCKER DO MUNDO**
 - Backup & Recovery das configurações, volumes e imagens de containers Docker
 - Solução totalmente integrada, alinhada à lógica e às metodologias Docker
 - Automação completa para rápida implantação de estratégias de proteção de containers
 - Integração avançada, usando API Docker
 - Salvamento de imagem, rollback de imagem e backup das mudanças da imagem
 - Controle refinado sobre quais containers e imagens fazem backup



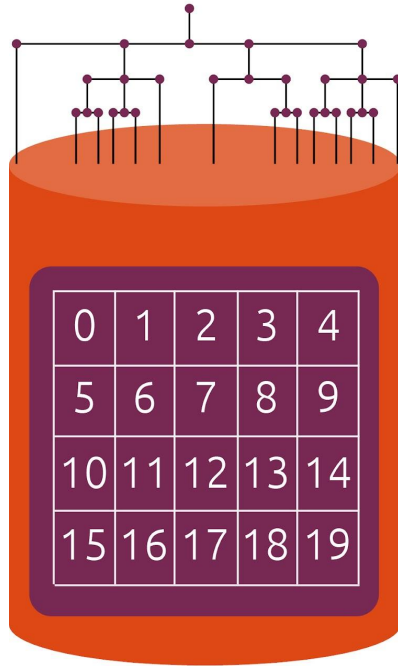
- Instalação Servidor
<<http://www.bacula.lat/community/script-instalacao-bacula-community-9-x-pacotes-oficiais/>>
- Instalação GUI Baculum <www.bacula.lat/community/baculum/>
- Instalação Clientes <www.bacula.lat/enterprise/instalacao-clientes-bacula/>
- Robôs de Fitas <<http://www.bacula.lat/robos-de-fita-com-bacula/>>
- Driver S3
<<http://www.bacula.lat/driver-de-storage-s3-swift-ceph-e-nuvem-bacula-enterprise-guia-rapido/>>



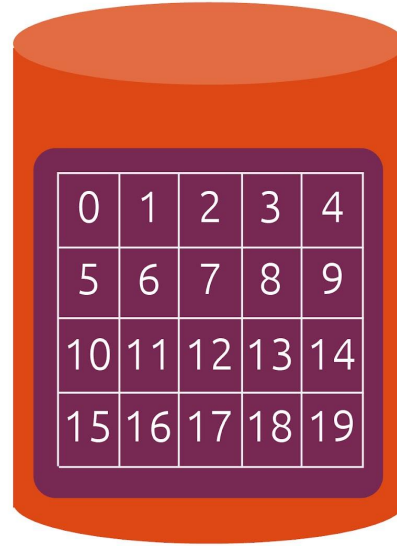
Driver S3 Bacula Community & Enterprise

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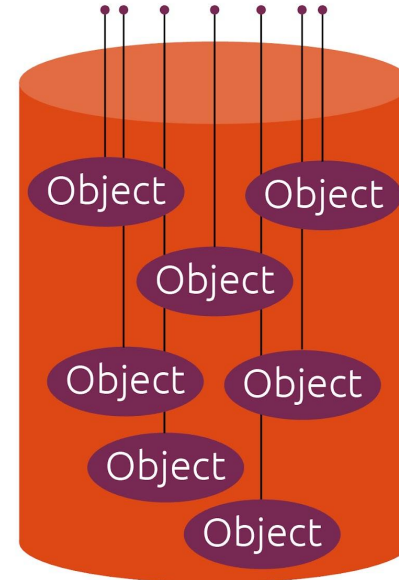
File Storage



Block Storage



Object Storage



```
# Instalação Plugin S3 (máquina Storage Daemon)
```

```
yum install libs3
```

```
yum install bacula-cloud-storage
```

```
# Apenas se tiver problemas com o libs3 do CentOS 7
```

```
yum install curl libcurl-devel libxml2
```

```
cd /usr/src
```

```
wget https://www.bacula.org/downloads/libs3-20200523.tar.gz
```

```
tar -xzvf libs3-20200523.tar.gz
```

```
cd /usr/src/libs3-20200523
```

```
make
```

```
make install
```

```
yum install bacula-cloud-storage
```

```
# bacula-sd.conf

Cloud {
  Name = "AWS"
  AccessKey = "AKIAIVRLQ5ROGR7BON7Q"
  SecretKey = "VTxxzPTmukhwSDuHTIGsU/jSKfWD6wmjfPexx"
  BucketName = "baculaheitor"
  Driver = "S3"
  HostName = "s3.amazonaws.com"
  Region = "sa-east-1"
  UriStyle = VirtualHost # ou Path - Ceph, Wasabi etc.
  TruncateCache = AfterUpload          # AtEndOfJob, No
  Upload = EachPart                    # AtEndOfJob, No
}
```

```
# bacula-sd.conf

Device {
    Name = "AWS-Drive-0"
    ArchiveDevice = "/mnt/cloud"
    Cloud = "AWS"
    DeviceType = Cloud
    LabelMedia = yes
    MaximumConcurrentJobs = 1
    MaximumPartSize = 1 GB
    MediaType = "CloudAWS"
}
```

```
# bacula-dir.conf

Autochanger {
  Name = "PluginS3"
  SdPort = 9103
  Address = 192.168.0.216
  Password = "7wrRkdDmui2XdFdV3FKS0401jfZteI8abZRubGKqTCxB"
  Device = "AWS-Drive-0"
  MediaType = "CloudAWS"
  Autochanger = "PluginS3"
  MaximumConcurrentJobs = 10
}
```



```
# bacula-dir.conf

Pool {
  Name = "PoolS3"
  PoolType = "Backup"
  LabelFormat = "${Pool}-${NumVols}"
  MaximumVolumeBytes = 10GB
  VolumeRetention = 31536000
  Storage = "Plugins3"
  AutoPrune = yes
  Recycle = yes
}
```

```
# Important! No bconsole, testar conexão com a nuvem com o comando  
cloud list
```

```
cloud list
```

```
# no Shell, acesse o bconsole
```

```
bconsole
```

```
run level=Full pool=PoolS3 yes job=BackupClient1
```



```
*list joblog jobid=1780
```

```
+-----+
| logtext
|
+-----+
| baculacommunity-dir JobId 1780: Start Backup JobId 1780, Job=BackupClient1.2020-10-03_12.15.48_11
|
| baculacommunity-dir JobId 1780: Using Device "AWS-Drive-0" to write.
|
| baculacommunity-sd JobId 1780: Volume "PluginS3-0" previously written, moving to end of data.
|
| baculacommunity-sd JobId 1780: Using S3 cloud driver Host=s3.amazonaws.com Bucket=baculaheitor
|
| baculacommunity-sd JobId 1780: Elapsed time=00:00:28, Transfer rate=16.90 M Bytes/second
|
| baculacommunity-sd JobId 1780: Cloud Upload transfers:
```