

Backup and Data Recovery (EN)

Service and Data Backup and Recovery

RackCorp UMS Application

All RackCorp UMS servers are deployable and rebuildable from the API / Portal Controller which makes for fast re-deployment. Base RockyLinux OS needs to be deployed, and a script run to register the server on the RackCorp UMS Administration System. once run, a server will be available for installation:

The screenshot shows the RackCorp Unified Messaging interface. On the left is a sidebar with 'Server Search' and various input fields (Client Name, Hostname, IP Address, Virtual Host Server, Datacentre Name). The main area is titled 'UNIFIED MESSAGING' and has tabs for SUMMARY, CONTROL, STORAGE, NETWORK, VIRTUAL CONSOLE, BACKUPS, MEDIA, INSTALL, DISK STATS, and CPU STATS. A warning message states: 'NOTE: Depending on the option chosen below, you could end up destroying ALL data on your virtual server. Please make sure that you have definitely selected the CORRECT server. If you are unsure what you are doing, please submit a support ticket first. If a media is bootable, it will be set as the boot device upon restart.' Below this is a red warning icon and the text: 'Your server must be running to mount any media or change boot settings.' There are two main action buttons: 'FORMAT STORAGE' with a dropdown for 'FORMAT TYPE' and a 'FORMAT NOW' button, and 'INSTALL OS' with a dropdown for 'OS' and an 'INSTALL OS' button. The 'INSTALL OS' dropdown menu is open, showing a list of operating systems and applications including Ubuntu 18.04, Ubuntu 20.04, UMPv1 SMTPv1, UMPv1 Portal, UMPv1 API, UMPv1 Logging, UMPv1 IMAP, UMPv1 CLOUDAPP, UMPv1 CLOUDDB, UMPv1 APPSTUDIO, STORMSHIELD4.2.4, STORMSHIELD4.3.5, STORMSHIELD-PAYG-MASTER, StormshieldPAYG4.2.8, OPENMANAGE3.5, Snap! Aria V2 WAF, RACKCORP VMHOST, RACKCORP CONTAINERHOST, and RACKCORP SFTP.

Once a server finishes installing, it will search for other same-class servers within the same node.

No nodes found (new install or complete loss of data)

Service will be operational, with no data (i.e. no cloud data for users, no email for users etc). Option exists to manually copy ZFS datastore from backup storage to the appropriate location. Other nodes will then pick up on this and commence synchronisation.

Another node found (IMAP role)

Download of data will automatically begin to synchronise the IMAP stores

Another node found (CloudDB role)

Download of data will automatically begin to synchronise the CloudFile DB stores (meta data).

Load Balancers, Firewalls, UMS API, UMS Portal applications all generate daily dumps which are copied to any available S3 / CIFS/NFS storage. These services contain data that typically does not change frequently.

Bootstrap:

```
# After base OS is installed, execute the following as root:
```

```
cd /tmp
```

```
wget https://api.XXXXXXXXXXXXXXXXXXXXXX.com/install/bootstrapcore.sh
```

```
sh bootstrapcore.sh
```

```
# This may take about 30 seconds to register in the portal. Node personality can
```

```
# then be changed to its purpose (i.e. SMTP, IMAP, LoadBalancer, etc)
```

```
# Portal can then be used to deploy application to this server
```

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