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# 1 Affa Command Line Options



## Note:

Options can be abbreviated to uniqueness, e.g. 'affa --lo' is equal to 'affa --log-tail'

## 1.1 --run

```
affa --run JOB
```

Starts a job run. Usually done by the cronjob.

## 1.2 --configcheck

Checks the syntax and values in all configuration files found in /etc/affa/. Run this command after modifying the configuration. Lower/Upper case errors in property names are corrected automatically.

## 1.3 --make-cronjobs

```
affa --make-cronjobs
```

Configures the cronjobs. Run this command to make changes of time related properties effective i.e. TimeSchedule, killAt and resumekKilledAt properties. Every 15 minutes Affa checks whether a configuration file is newer than the cronjob file and runs the make-cronjobs command if this is the case.

## 1.4 --send-key

```
affa --send-key [JOB JOB ...]
```

This first generates the DSA key on the Affa Server, if not already done. Then the public key is send to the hosts 'remoteHostName' as defined in section of each job JOB and generates the job specific ssh known host entry.



## Note:

When initially doing this step, you will need to temporarily enable "Allow secure shell access using standard passwords" on the source server.

## 1.5 --check-connections

```
affa --check-connections [JOB JOB ...]
```

Checks the ssh login and if applicable rsyncd auth for all jobs given as arguments. Without any arguments all jobs are checked.

## 1.6 --full-restore

```
affa --full-restore [--preserve-newer=no] [--delete=yes] JOB [ARCHIVE]
```

Does a full restore remote server of all backed up files and directories from the backup ARCHIVE. If ARCHIVE is not given, the archive 'scheduled.0' is used as the default. The full restore reconstructs the server as it was at the time of the backup. After the restore the source host reboots.

With option --preserve-newer=yes files on the remote server with modification time newer than on the backup are not overwritten.

With option --delete=yes all files on the remote server, which are not in the backup, are deleted

## 1.7 --list-archives

```
affa --list-archives [--csv] JOB
```

Displays a table of all present archives of job JOB with date, number of files, size and and bytes received. While column buTime shows the actual rsync time, the column ddTime shows the length of the subsequent deduplication run. ddYld is the gained deduplication yield in bytes.

Affa version 3.1.0-0 on affa-2.mydomain.com

```

-----
| Job: fshare-ak
| Description: Fileserver AK
| Directory: /var/affa/fshare-ak/
| Hostname: 10.204.104.4
| Email: sysadmin@mydomain.com
-----
| Run | Completion date | buTime | ddTime | ddYld | Files | Size | Recvd |
-----
| Y 0 | Wed 2010-06-23 20:26 | 11m53s | - | - | 412k | 143G | 470M |
-----
| M11 | Sun 2010-08-29 20:22 | 7m50s | - | - | 417k | 153G | 14M |
| M10 | Sun 2010-09-26 20:23 | 8m57s | - | - | 430k | 156G | 14M |
| M 9 | Sun 2010-10-31 20:25 | 10m05s | - | - | 448k | 161G | 15M |
| M 8 | Sun 2010-11-28 20:31 | 16m42s | - | - | 463k | 167G | 17M |
| M 7 | Sun 2011-01-02 20:48 | 33m07s | - | - | 486k | 173G | 1.1G |
| M 6 | Sun 2011-01-30 20:33 | 18m54s | - | - | 493k | 176G | 24M |
| M 5 | Sun 2011-02-27 20:28 | 13m31s | - | - | 490k | 176G | 19M |
| M 4 | Sun 2011-03-27 20:28 | 13m08s | - | - | 491k | 175G | 17M |
| M 3 | Sun 2011-05-01 20:30 | 15m41s | - | - | 493k | 179G | 18M |
| M 2 | Sun 2011-05-29 20:28 | 13m40s | - | - | 494k | 182G | 31M |
| M 1 | Sun 2011-06-19 20:26 | 11m20s | - | - | 493k | 183G | 17M |
| M 0 | Sun 2011-07-03 20:28 | 13m46s | - | - | 496k | 183G | 18M |
-----
| W 3 | Sun 2011-07-10 20:28 | 13m38s | - | - | 479k | 180G | 16M |
| W 2 | Mon 2011-07-11 20:35 | 20m27s | - | - | 479k | 180G | 301M |
| W 1 | Fri 2011-07-15 20:30 | 15m53s | - | - | 480k | 180G | 62M |
| W 0 | Sun 2011-07-24 19:39 | 9m25s | - | - | 482k | 181G | 16M |
-----
| D 6 | Thu 2011-07-28 19:42 | 12m22s | - | - | 483k | 182G | 176M |
| D 5 | Fri 2011-07-29 23:29 | 11m10s | 5h33m | 45G | 483k | 182G | 16M |
| D 4 | Sat 2011-07-30 19:53 | 23m26s | 2h30m | 8.3G | 483k | 182G | 17M |
| D 3 | Sun 2011-07-31 20:07 | 37m31s | 4m47s | 8.3G | 483k | 182G | 17M |
| D 2 | Mon 2011-08-01 20:44 | 1h14m | 7h50m | 8.5G | 484k | 182G | 630M |
| D 1 | Tue 2011-08-02 20:02 | 32m28s | 12h20m | 8.3G | 484k | 182G | 74M |
| D 0 | Wed 2011-08-03 19:58 | 28m46s | 11h01m | 8.5G | 484k | 182G | 214M |
-----
| S 0 | Thu 2011-08-04 20:00 | 30m28s | 11h52m | 8.5G | 484k | 182G | 203M |
-----

```

With --csv, the output is in machine readable colon separated format.

## 1.8 --status

**affa --status [--csv]**

Displays a table of all configured jobs with enable status, time of last and next run, size of the most recent archive, execution time of the last run and the number of scheduled (S), daily (D), weekly (W), monthly (M) and yearly (Y) archives. If last time shows 'failed', the job did not run in the last 24h. For disabled jobs 'Last' always shows 'failed' after 24 h. To see the date and time of the last run of those jobs use the --list-archives option. Column 'Next' shows the time when the next run will be started, if 'Enabled' is 'yes'. Column 'ddYld' shows the deduplication yield in bytes.

Affa version 3.1.0-0 on affa-2.mydomain.com

```

-----
| Job | ENA | Last | Time | Next | Size | ddYld | N of S,D,W,M,Y |
-----
| ads-ak | yes | 20:20 | 0m29s | 20:20 | 28M | - | 1, 7, 2, 0, 0 | |
| ak-user-ma.. | yes | 22:31 | 1m51s | 22:30 | 170M | - | 3, 7, 4, 6, 0 |
| azubi-1 | yes | 03:39 | 3h24m | 00:15 | 44G | 1.2G | 1, 7, 4,10, 1 |
| dcpant | yes | 03:06 | 1m03s | 03:05 | 1.3G | - | 1, 7, 4,10, 1 |
| eshare | yes | 21:06 | 21m01s | 20:45 | 24G | 178M | 1, 7, 4,10, 1 |
| etherpad | yes | 20:40 | 0m13s | 20:40 | 3.1M | - | 1, 7, 4, 2, 0 |
| fazubi | yes | 08:16 | 11h16m | 21:00 | 132G | 3.3G | 1, 7, 4,10, 1 |
| fschare-rh | yes | de-duplicating (pid 9719) | | | | | | 1, 7, 4,10, 1 |
| fsh-02 | yes | 07:53 | 12h23m | 19:30 | 182G | 8.5G | 1, 7, 4,10, 1 |
| fshare-ak2 | yes | 00:30 | 0m26s | 00:30 | 415M | 544k | 1, 7, 4,10, 1 |
| helpdesk | yes | 21:27 | 2m16s | 21:25 | 895M | 138k | 1, 7, 4,10, 0 |
| it-share | yes | running rsync (pid 9744) | | | | | | 1, 7, 1, 0, 0 |
| lightroom | yes | waiting (pid 9528) | | | | | | 1, 7, 4, 2, 0 |
| localhost | yes | 02:15 | 0m08s | 02:15 | 395k | - | 1, 7, 2, 0, 0 |
| mediawiki | yes | 16:10 | 0m06s | 19:40 | 1.1G | 6.7M | 3, 7, 4,10, 1 |
| mshare | yes | 00:48 | 1h33m | 23:15 | 18G | 2.4G | 1, 7, 4,10, 1 |
| wshare | yes | 00:34 | 1h49m | 22:45 | 23G | 484M | 1, 7, 4,10, 1 |
-----

```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
2 disabled jobs not listed. Use --all to display.
```

With --csv, the output is printed in a machine readable colon separated format.

## 1.9 --show-config-pathes

```
affa --show-config-pathes [--csv] [JOB JOB ...]
```

Prints the full pathes of the file where the section of job JOB is defined.

## 1.10 --show-default-config

```
affa --show-default-config
```

Prints a list of all allowed property names with their default values. These values are used, when omitted in the job sections.

## 1.11 --show-schedule

```
affa --show-schedule [--all]
```

Prints a 'graphical' timetable for all enabled jobs. The resolution is 30 minutes. An 'S' character marks the scheduled start times. The duration of the job runs are marked with '=' characters.

```
Affa version 3.1.0-0 on affa-2.mydomain.com
  TIME 12:00   16:00   20:00   0:00   4:00   8:00
  fsh-02 -----S ~~~~~ ~~~~~ ~~~~~
  ads-ak -----S----- ~~~~~ ~~~~~ ~~~~~
  etherpad -----S----- ~~~~~ ~~~~~ ~~~~~
  eshare -----S----- ~~~~~ ~~~~~ ~~~~~
  fazubi -----S~~~~~ ~~~~~ ~~~~~ ~~~~~
  helpdesk -----S----- ~~~~~ ~~~~~ ~~~~~
  it-share -----S=~~~~ ~~~~~ ~~~~~ ~~~~~ busy
  wshare -----S~~ ~~~~~ ~~~~~ ~~~~~
ak-user-management -----S----- ~~~~~ ~~~~~ ~~~~~
  fschare-rh -----S= ~~~~~ ~~~~~ ~~~~~ busy
  mshare -----S= ~~~~~ ~~~~~ ~~~~~
  azubi-1 -----S=~~~~~ ~~~~~ ~~~~~ ~~~~~
  fshare-ak2 -----S----- ~~~~~ ~~~~~ ~~~~~
  mediawiki -----S----- ~~~~~ ~~~~~ ~~~~~
  localhost -----S----- ~~~~~ ~~~~~ ~~~~~
  dcpant -----S----- ~~~~~ ~~~~~ ~~~~~
  lightroom -----S----- ~~~~~ ~~~~~ ~~~~~ busy
Symbols: S=scheduled K=kill R=resume '='=rsync '~'=dedup
2 disabled jobs not listed. Use --all to display.
```

## 1.12 --log-tail

```
affa --log-tail [JOB]
```

Displays the tail of the logfile of job JOB with live update. This command is identical to tail -n 50 -f /path/to/logfile. Without the JOB argument the global logfile is shown.

## 1.13 --send-status

```
affa --send-status
```

Sends the status table, the disk-usage and the archive list of all jobs to the email addresses configured in the [GlobalAffaConfig] section.

## 1.14 --disk-usage

```
affa --disk-usage
```

Shows the current disk usage of all root dir filesystems

```
Affa version 3.1.0-0 on affa-2.mydomain.de
+-----+-----+-----+-----+-----+-----+-----+-----+
| Use% | Used | Avail | Root Dir |
+-----+-----+-----+-----+-----+-----+-----+
| 71% | 938GB | 365GB | /var/affa |
```



## **1.24 --version**

`affa --version`

Displays the Affa version number and checks Samba and Freedup installation.

## **1.25 --warranty**

`affa --warranty`

Displays the disclaimer of liability.

## **1.26 --license**

Displays the license Affa is released under.

## **1.27 --help**

Displays a short help.

## **1.28 --debug**

`affa --debug`

Enables verbose logging. Overrides job and global configurations.

---

## 2 Affa Configuration



### 3 Affa configuration files

Affa reads the configuration from all files with extension `.conf` in the `/etc/affa/` directory and all sub-directories. The jobs are configured in the well known [INI file format](#). A job configuration section starts with the jobname in square brackets followed by `name=value` properties. A section ends at the end of the file or at the beginning of the next section.

```
[samplejob]
remoteHostName=192.168.1.100
sshPort=22
Include=/root
Include=/home
```

Some properties can be defined multiple times (*multivalue*), where the order is meaningless. Section and property names are case sensitive. Only the characters **A-Z a-z 0-9 . - \_** (letters, digits, period, hyphen, underscore) are allowed for section names.

## 4 Most important Properties

### 4.1 remoteHostName

**Name:** remoteHostName  
**Value:** FQHN or IP  
**Multivalue:** no  
**Default:** *none*  
**Description:** FQHN or IP of the source host

### 4.2 remoteUser

**Name:** remoteUser  
**Value:** account  
**Multivalue:** no  
**Default:** root  
**Description:** The user account to be used with all ssh logins. May be case sensitive, e.g. Administrator account on Windows

### 4.3 Description

**Name:** Description  
**Value:** text string  
**Multivalue:** no  
**Default:** *none*  
**Description:** Any text that describes the job

### 4.4 TimeSchedule

**Name:** TimeSchedule  
**Value:** HHMM  
**Multivalue:** yes  
**Default:** 2230  
**Description:** The time the job will run. Use exactly 4 digits, no colon, no point.

### 4.5 status

**Name:** status  
**Value:** enabled *or* disabled  
**Multivalue:** no  
**Default:** enabled  
**Description:** When set to disabled, no cron entries will made. You can still run a job manually.

### 4.6 Include

**Name:** Include  
**Value:** full path  
**Multivalue:** yes  
**Default:** *none*  
**Description:** File or directory to back up

### 4.7 Exclude

**Name:** Exclude  
**Value:** full path  
**Multivalue:** yes

**Default:** *none*

**Description:** File or directory to be excluded from backup

## 4.8 RootDir

**Name:** RootDir

**Value:** full path

**Multivalue:** no

**Default:** /var/affa

**Description:** Where to store the backup archives.

## 4.9 scheduledKeep

**Name:** scheduledKeep

**Value:** integer >= 1

**Multivalue:** no

**Default:** 1

**Description:** How many of the scheduled backups to be kept

## 4.10 dailyKeep

**Name:** dailyKeep

**Value:** integer >= 0

**Multivalue:** no

**Default:** 7

**Description:** How many of the daily backups to be kept

## 4.11 weeklyKeep

**Name:** weeklyKeep

**Value:** integer >= 0

**Multivalue:** no

**Default:** 4

**Description:** How many of the weekly backups to be kept

## 4.12 monthlyKeep

**Name:** monthlyKeep

**Value:** integer >= 0

**Multivalue:** no

**Default:** 12

**Description:** How many of the monthly backups to be kept

## 4.13 yearlyKeep

**Name:** yearlyKeep

**Value:** integer >= 0

**Multivalue:** no

**Default:** 2

**Description:** How many of the yearly backups to be kept

## 4.14 EmailAddress

**Name:** EmailAddress

**Value:** name@domain.com

**Multivalue:** yes

**Default:** root

**Description:** The mail addresses, where the messages should be sent to.

**Note:** By default Affa only sends messages on errors, never on success (see property `chattyOnSuccess`).

## 4.15 RetryAttempts

**Name:** RetryAttempts

**Value:** integer  $\geq 0$

**Multivalue:** no

**Default:** 4

**Description:** When set to a value  $> 0$ , Affa re-run a failed job RetryAttempts times with a delay of RetryAfter seconds.

## 4.16 RetryAfter

**Name:** RetryAfter

**Value:** seconds  $\geq 0$

**Multivalue:** no

**Default:** 900

**Description:** When set to a value  $> 0$ , wait RetryAfter seconds before re-running the job after an error. Only applicable with RetryAttempts  $> 0$

## 4.17 RetryNotification

**Name:** RetryNotification

**Value:** yes or no

**Multivalue:** no

**Default:** no

**Description:** When set to no, Affa does not send an error message when a job has failed and RetryAttempts is configured. An error message is only send when the last attempt has failed.

## 4.18 NRPEtrigger

**Name:** NRPEtrigger

**Value:** hours

**Multivalue:** no

**Default:** 24

**Description:** NRPE reports a job as critical when the last successful run is older then NRPEtrigger hours. To exclude the job from monitoring set to a value  $< 0$ .

## 4.19 SambaShare

**Name:** SambaShare

**Value:** yes or no

**Multivalue:** no

**Default:** no

**Description:** Access to the job archives via CIFS protocol

## 4.20 SambaValidUser

**Name:** SambaValidUser

**Value:** local account

**Multivalue:** yes

**Default:** affa

**Description:** User who has permission to access the job archives via the CIFS protocol.

## 5 More Properties

### 5.1 preJobCommand and preJobCommandRemote

**Name:** preJobCommand, preJobCommandRemote

**Value:** path relative to /etc/affa/scripts/

**Multivalue:** yes

**Default:** none

**Description:** Scripts to be executed before a job run. The job name and type (scheduled, daily etc.) are passed as arguments to the program. The preJobCommandRemote scripts are copied to the remote server and then executed there. The scripts are executed in alphabetical order. Use a numerical prefix if you need a specific order e.g. 01scriptB, 02remotescriptA, 03scriptA. Use the included prescript-sample.pl and prescriptRemote-sample.pl as a starting point for own scripts.

### 5.2 postJobCommand and postJobCommandRemote

**Name:** postJobCommand, postJobCommandRemote

**Value:** path relative to /etc/affa/scripts/

**Multivalue:** yes

**Default:** none

**Description:** Scripts to be executed after a job run. The job name, the type (scheduled, daily etc.) and the exit code of the job run are passed as arguments to the program. The postJobCommandRemote scripts are copied to the remote server and then executed there. The scripts are executed in alphabetical order. Use a numerical prefix if you need a specific order e.g. 01scriptB, 02remotescriptA, 03scriptA. Use the included postscript-sample.pl and postscriptRemote-sample.pl as a starting point for own scripts.

### 5.3 dedup

**Name:** dedup

**Value:** yes or no

**Multivalue:** no

**Default:** no

**Description:** The purpose of the deduplication is to remove duplicate files to save backup space. When set to 'yes' file deduplication is run after the synchronization has been completed. It looks for files that have identical content, user, group and permissions and replace duplicates by hardlinks. Deduplication scans the just completed archive and the previous one, that usually is scheduled.0 and daily.0 or scheduled.0 and scheduled.1. Consider this scenario: A user has renamed directories or files. Rsync sees those as new ones and copies them. Deduplication finds the identical copies in the previous archive and replace them by hardlinks. To use deduplication the [Freedup](#) program needs to be installed. Affa actually runs freedup -upg scheduled.0 <previous\_archive>.

### 5.4 dedupKill

**Name:** dedupKill

**Value:** yes or no

**Multivalue:** no

**Default:** no

**Description:** When set to 'no' the job ignores [affa --kill](#) or [affa --killall](#) when deduplication is running. This is useful in the context of `killAt` which is typically used to stop bandwidth utilisation.

### 5.5 sshPort

**Name:** sshPort

**Value:** service port

**Multivalue:** no

**Default:** 22

**Description:** When sshd on the remote host listens on a non-standard port, set the port here.

## 5.6 ConnectionCheckTimeout

**Name:** ConnectionCheckTimeout

**Value:** seconds

**Multivalue:** no

**Default:** 120

**Description:** Affa checks the ssh connection before the rsync process is started and exits with an error after the configured time if the host did not respond.

## 5.7 BandwidthLimit

**Name:** BandwidthLimit

**Value:** integer $\geq$ 0 kilobytes per second

**Multivalue:** no

**Default:** 0

**Description:** Limits the data transfer rate. A value of zero specifies no limit.

## 5.8 rsyncTimeout

**Name:** rsyncTimeout

**Value:** seconds

**Multivalue:** no

**Default:** 900

**Description:** Rsync exits after the configured time if no data was transferred. This avoids infinitely hanging in case of a network error.

## 5.9 rsyncCompress

**Name:** rsyncCompress

**Value:** yes *or* no

**Multivalue:** no

**Default:** yes

**Description:** Compress the transferred data. May be useful with slow internet connections. Increases CPU load on remote and backup host.

## 5.10 rsync--inplace

**Name:** rsync--inplace

**Value:** yes *or* no

**Multivalue:** no

**Default:** yes

**Description:** Set to no if the rsync version on the remote host does not support this option.

## 5.11 rsync--modify-window

**Name:** rsync--modify-window

**Value:** integer  $\geq$  0

**Multivalue:** no

**Default:** 0

**Description:** When comparing two timestamps, rsync treats the timestamps as being equal if they differ by no more than the modify-window value. This is normally 0 for an exact match. A value  $\geq$  0 is useful if you can't get the clocks of the remote host and the Affa server in sync.

## 5.12 rsyncOptions

**Name:** rsyncOptions

**Value:** string

**Multivalue:** no  
**Default:** *none*  
**Description:** Additional option string to be passed to rsync

## 5.13 localNice

**Name:** localNice  
**Value:** -19...+19  
**Multivalue:** no  
**Default:** 0  
**Description:** Run local rsync process niced.

## 5.14 remoteNice

**Name:** remoteNice  
**Value:** -19...+19  
**Multivalue:** no  
**Default:** 0  
**Description:** Run remote rsync process niced.

## 5.15 killAt

**Name:** killAt  
**Value:** HHMM  
**Multivalue:** no  
**Default:** *none*  
**Description:** The time at which a job will be killed if it was still running. You can use it for example to kill jobs that are running over the internet early in the morning so that your users have the full bandwidth available during office hours.

## 5.16 resumeKilledAt

**Name:** resumeKilledAt  
**Value:** VALUE  
**Multivalue:** no  
**Default:** *none*  
**Description:** The time at which a killed job will be resumed. This allows you to start earlier in the evening than the scheduled time.

## 5.17 chattyOnSuccess

**Name:** chattyOnSuccess  
**Value:** integer  $\geq 0$   
**Multivalue:** no  
**Default:** 0  
**Description:** When set to a value  $> 0$ , Affa sends a message on a successfully completed job run and decrements the chattyOnSuccess value. When the value has reached zero, Affa falls back to the default and only sends messages on errors.

## 5.18 AutomountDevice and AutomountPoint

**Name:** AutomountDevice, AutomountPoint  
**Value:** full path  
**Multivalue:** no  
**Default:** *none*  
**Description:** Device and mountpoint of backup device (e.g. USB disk). Device is automounted before a job starts and unmounted after job completion. With both properties empty no automount is done.

## 5.19 AutomountOptions

**Name:** AutomountOptions

**Value:** string

**Multivalue:** no

**Default:** *none*

**Description:** An option string passed to the mount command.

## 5.20 AutoUnmount

**Name:** AutoUnmount

**Value:** yes *or* no

**Multivalue:** no

**Default:** yes

**Description:** When set to 'no' the automounted device stay mounted after the Affa run.

## 5.21 Debug

**Name:** Debug

**Value:** yes *or* no

**Multivalue:** no

**Default:** no

**Description:** Set to yes to increase log verbosity.

## 5.22 remoteRsyncBinary

**Name:** remoteRsyncBinary

**Value:** full path

**Multivalue:** no

**Default:** /usr/bin/rsync

**Description:** If the rsync program on the remote server is located in non-standard location, set it here

## 5.23 remoteNiceBinary

**Name:** remoteNiceBinary

**Value:** full path

**Multivalue:** no

**Default:** /bin/nice

**Description:** If the nice program on the remote server is located in non-standard location, set it here.

## 5.24 localRsyncBinary

**Name:** localRsyncBinary

**Value:** full path

**Multivalue:** no

**Default:** /usr/bin/rsync

**Description:** If the local rsync program is located in non-standard location, set it here

## 5.25 localNiceBinary

**Name:** localNiceBinary

**Value:** full path

**Multivalue:** no

**Default:** /bin/nice

**Description:** If the nice local program is located in non-standard location, set it here.



## 5.26 RemoteAuthorizedKeysFile

**Name:** RemoteAuthorizedKeysFile

**Value:** path relative to remote user's home or full path

**Multivalue:** no

**Default:** .ssh/authorized\_keys2

**Description:** If the remote host stores the authorized keys file in a non-standard location, set it here.

## 6 Properties for Rsyncd Mode Operation

### 6.1 rsyncdMode

**Name:** rsyncdMode

**Value:** yes *or* no

**Multivalue:** no

**Default:** no

**Description:** Set to yes to connect to the rsync daemon on the remote host (instead of running rsync over ssh).

### 6.2 rsyncdModule

**Name:** rsyncdModule

**Value:** string

**Multivalue:** no

**Default:** AFFA

**Description:** The rsyncd module name (only applicable with rsyncdMode=yes).

### 6.3 rsyncdUser

**Name:** rsyncdUser

**Value:** string

**Multivalue:** no

**Default:** affa

**Description:** The username for authentication to the rsync daemon (only applicable with rsyncdMode=yes).

### 6.4 rsyncdPassword

**Name:** rsyncdPassword

**Value:** string

**Multivalue:** no

**Default:** *none*

**Description:** The password for authentication to the rsync daemon (only applicable with rsyncdMode=yes).

## 7 Properties for global Settings

These properties are allowed only in the [GlobalAffaConfig] section.

### 7.1 globalStatus

**Name:** globalStatus

**Value:** enabled, disabled *or* jobs

**Multivalue:** no

**Default:** jobs

**Description:** Set to enabled or disabled to override the status settings in all job sections. When set to value jobs, the status settings in the job sections are effective.

### 7.2 sendStatus

**Name:** sendStatus

**Value:** daily, weekly, monthly *or* never

**Multivalue:** no

**Default:** weekly

**Description:** Defines how frequently the status will be sent.

---

# 8 Affa global Configuration Settings

## 8.1 General Default Settings

For all 'name=value' properties defaults can be set in the [GlobalAffaConfig] section which are used in all job configuration when the corresponding property is omitted. For example, when these properties are set in [GlobalAffaConfig] section, they can be omitted in the specific job configurations.

```
EmailAddress=affaadmin@mydomain.com  
localNice=15
```

Properties of the job configuration overrides the default values.

## 8.2 Special Global Settings

There are a few job independent properties which affect the global behavior and are only allowed in the [GlobalAffaConfig] section. See [Properties for global Settings](#) for a full list of these keys.

---

## 9 Affa Quickstart Example

This is an example of a typical setup for a Linux server backup. Assume, you want to back up the directories **/root** and **/home** of your server *mybox* with IP address 10.200.48.1. The server *mybox* has the rsync binary installed and is running sshd service on port 22.

Log into the Affa server and create the configuration file **/etc/affa/mybox.conf**

```
[mybox]
remoteHostName=10.200.48.1
Include=/root
Include=/home
```

Check the configuration syntax

```
affa --config-check
```

Send the public key to the **mybox** server



**Note:**

When initially doing this step, you may need to temporarily set "Password Authentication yes" in the **/etc/ssh/sshd\_config** file on the *mybox* server. You can disable password auth once the key has been sent.

```
affa --send-key mybox
```

Run the job manually

```
affa --run mybox
```

When the job has finished check the status by running

```
affa --status
```

and

```
affa --list-archives mybox
```

If you want the just defined job to be run daily at 10:30 pm, add the following *name=value* properties to the config file.

```
TimeSchedule=2230
status=enabled
```

---