c42ComputerUserReport Usage and Readme

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The *c42ComputerUserReport* application creates a report in CSV format with the following fields:

1. Email
2. DeviceName
3. Status
4. SelectedFiles
5. LastBackup
6. LastCompletedBackup
7. LastConnected
8. BytesToDo
9. FilesToDo
10. BackupCompletePercentage
11. Alerts
12. Destination
13. OrgName

Even users who have never installed CrashPlan or registered a device will appear in the report. You will see their email addresses in the Email field. (Note: the *-nousers* option can be used to turn this feature off. See below.)

Performance note: this application queries the Code42 API for each device. The application may take a long time to run in environments with large numbers of users.
(*Note: an initial test run showed that even an environment with 20k+ devices finishes in less than an hour.*)

You can "watch" the log file in real time to see the progress of the application. The log file is generated in the same directory that the application is located it, and is named "c42ComputerUserReportLogFile*DATE*." The application creates a new log file for each date. If you run the application multiple times per day, the application will append to that day's log file.

Output: the application generates a CSV file named *output.csv*.

Usage
Run the application from the command-line:
```
> c42ComputerUserReport [-active] [-limit <number>] [-nousers] [-help]
```

The command-line arguments "active", "limit" and "nousers" are optional. "Limit" requires a parameter in the form of a number greater than or equal to zero.

Command Line Options
-limit
The application allows you to optionally limit the number of calls to the Code42 API performed for each device. This can be used for testing purposes, in order to reduce the time that the program takes to run. The limit can be any number ranging from zero to the number of devices in your environment. If you specify zero, then four of the fields in the report will be missing for all of the rows, because the application will not get these fields by querying each device:

1. SelectedFiles
2. LastBackup
3. BytesTodDo
4. FilesToDo

However, the report will still contain the information in all the other fields, because these come from the DeviceBackupReport API, which is able to get data on all devices from a single API call, and is therefore very efficient.

Example of usage with command line option:

```
> c42ComputerUserReport –limit 100
```

In the example above, the application will query the first 100 devices for the four "extra" fields, and then generated the CSV file.

-active
You can filter out all deactivated devices with the "active" command-line option:
```
> c42ComputerUserReport -active
```

You can use both command-line options at the same time, e.g.:
```
> c42ComputerUserReport -active –limit 99
```

–limit
The -limit option limits the number of calls made to the Computer resource of the Code42 API.
These API calls to Computer are needed to fill in some fields of the report, but can be time-consuming.

–nousers
The -nousers option tells the program to skip the process of appending users who do not have registered devices to the report.
Note: when the -active option is specified, the list of users without devices will also include users with deactivated devices.
If the -active option is not specified, the list of users at the end of the report includes only

users who have never had an active device.

Required File For Authentication
The application requires a filed named ***userinfo.config*** to exist in the same directory as the application. This file must contain the following items on three separate lines:

1. URL of the master server
2. Username that will authenticate with the master to query the API
3. Password of the user

Example file:

```
https://master-server.example.com:4285
admin
MySecretPassword
```

Technical Notes:
The application was compiled to a Windows binary file that can run on any 64-bit Windows machine running Windows XP or higher.
Should you need the application compiled for a different platform, please contact *todd@code42.com*.
You may also request the source code.