

# Cambria Cluster: Akamai Linode Credentials and Instance Setup

## Objective

This document provides the instructions for setting up Cambria FTC to work with Akamai Linode Services. Included are steps to setup credentials and allow CloudExtend to create instances on Linode.

## User/Credentials

The simplest way to set up credentials as suggested by the SDK is to use a local file with the credential information, this is what we use. This file doesn't use any encryption. But, since the plan is to move to pre-signed URLs eventually, we have not focused on more secure methods.

### Credential Setup:

#### Creating a txt file with the security credentials:

1. Go to the following page: <https://www.linode.com/>
2. Log in and then click on your username on the top right.
3. Click on **API Tokens** from the drop-down menu.
4. Click **Create A Personal Access Token**.
5. From this menu you need to give the token a name, set an expiration date for it, and select the type of access you want the user to have
6. When done click **Create Token** and copy the **Personal Access Token** credentials.txt file that has the security credentials information in this format (our example is as below, you will need to generate your own):

[default]

```
personal_access_token = 123900dsuf0sdfkflj3402394lsflsdf802u804283423804
```

7. After credentials.txt has been created, click **I Have Saved My Personal Access Token** to close the window

#### Modify the .txt file and place the credentials file to the two locations specified below for every Cluster and FTC machine:

- 1) Remove the ".txt" extension of credentials.txt file.
- 2) Take the credential file and add it to the following locations:
  - a) C:\Users\USERNAME\.linode (in Windows you can create a new folder named .linode)
    - i) If this does not work do this:
      - (1) Open Command Prompt in Windows.
      - (2) Navigate to the path in which you want to create a folder

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```
name starting with dot(.)  
(3) Now type mkdir<space>.FolderName  
b) C:\Windows\system32\config\systemprofile\.linode\  

```

**NOTE: Once the Credential File is set up you should be able to use FTC to import/export files to your mapped locations.**

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Table for Instance Types

id	label	class	disk	memory	vcpus	network_out	transfer	hourly	monthly	gpus
g6-nanode-1	Nanode 1GB	nanode	25600	1024	1	1000	1000	0.0075	5.0	0
g6-standard-1	Linode 2GB	standard	51200	2048	1	2000	2000	0.015	10.0	0
g6-standard-2	Linode 4GB	standard	81920	4096	2	4000	4000	0.03	20.0	0
g6-standard-4	Linode 8GB	standard	163840	8192	4	5000	5000	0.06	40.0	0
g6-standard-6	Linode 16GB	standard	327680	16384	6	6000	6000	0.12	80.0	0
g6-standard-8	Linode 32GB	standard	655360	32768	8	7000	7000	0.24	160.0	0
g6-standard-16	Linode 64GB	standard	1310720	65536	16	9000	9000	0.48	320.0	0
g6-standard-20	Linode 96GB	standard	1966080	98304	20	10000	10000	0.72	480.0	0
g6-standard-24	Linode 128GB	standard	2621440	131072	24	11000	11000	0.96	640.0	0
g6-standard-32	Linode 192GB	standard	3932160	196608	32	12000	12000	1.44	960.0	0
g7-highmem-1	Linode 24GB	highmem	20480	24576	2	5000	5000	0.09	60.0	0
g7-highmem-2	Linode 48GB	highmem	40960	49152	2	6000	6000	0.18	120.0	0
g7-highmem-4	Linode 90GB	highmem	92160	92160	4	7000	7000	0.36	240.0	0
g7-highmem-8	Linode 150GB	highmem	204800	153600	8	8000	8000	0.72	480.0	0
g7-highmem-16	Linode 300GB	highmem	348160	307200	16	9000	9000	1.44	960.0	0
g6-dedicated-2	Dedicated 4GB	dedicated	81920	4069	2	4000	4000	0.045	30.0	0

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g6-dedicated-4	Dedicated 8GB	dedicate d	16384 0	8192	4	5000	5000	0.09	60.0	0
g6-dedicated-8	Dedicated 16GB	dedicate d	32768 0	16384	8	6000	6000	0.18	120.0	0
g6-dedicated-16	Dedicated 32GB	dedicate d	65536 0	32768	16	7000	7000	0.36	240.0	0
g6-dedicated-32	Dedicated 64GB	dedicate d	13107 20	65536	32	8000	8000	0.72	480.0	0
g6-dedicated-48	Dedicated 96GB	dedicate d	19660 80	98304	48	9000	9000	1.08	720.0	0
g6-dedicated-50	Dedicated 128GB	dedicate d	25600 00	131072	50	10000	10000	1.44	960.0	0
g6-dedicated-56	Dedicated 256GB	dedicate d	51200 00	262144	56	11000	11000	2.88	1920.0	0
g6-dedicated-64	Dedicated 512GB	dedicate d	73728 00	524288	64	12000	12000	5.76	3840.0	0
g1-gpu-rtx6000-1	Dedicated 32GB + RTX 6000 GPU x1	gpu	65536 0	32768	8	10000	16000	1.5	1000.0	1
g1-gpu-rtx6000-2	Dedicated 64GB + RTX 6000 GPU x2	gpu	13107 20	65536	16	10000	20000	3.0	2000.0	2
g1-gpu-rtx6000-3	Dedicated 96GB + RTX 6000 GPU x3	gpu	19660 80	98304	20	10000	20000	4.5	3000.0	3
g1-gpu-rtx6000-4	Dedicated 128GB + RTX 6000 GPU x4	gpu	26214 40	131072	24	10000	20000	6.0	4000.0	4

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### List of Regions

id	country
ap-west	in
ca-central	ca
ap-southwest	au
us-central	us
us-west	us
us-southeast	us
us-east	us
eu-west	uk
ap-south	sg
eu-central	de
ap-northeast	jp