

## Create the start function [One time only per project]

1. **Cloud Functions**
2. **Create Function.**
  1. `startInstancePubSub`.
3. **Memory allocated - LEAVE**
4. **Trigger: Cloud Pub/Sub.**
5. **Topic**, Create new topic....
  1. **Name:** `start-instance-event`.
  2. **Create**
6. **Runtime:** Node.js 6.
  1. `index.js` tab.
    - i. Replace [with the following code](#):
  2. `package.json` tab.
    - i. Replace [with the following code](#)
7. For Function to execute: `startInstancePubSub`.
8. **Create**

## Create the stop function [One time only per project]


1. **Create Function.**
  1. `stopInstancePubSub`.
2. Leave **Memory allocated**
3. **Trigger**
  1. `Cloud Pub/Sub`.
4. **Topic** - Create new topic....
  1. **Name:** `stop-instance-event`.
  2. **Create**
5. **Runtime:** Node.js 6.
  1. `index.js` tab.
    - i. Replace [with the following code](#):
  2. `package.json` tab.
    - i. Replace [with the following code](#)
6. For Function to execute, `stopInstancePubSub`.


7. Click Create.


*Set up the Cloud Scheduler jobs to call Cloud Pub/Sub [Per VM you wish to shut down]*


Create the start job.


1. **Cloud Scheduler**
2. **Create Job.**
3. **Name:** startup-mmlinuxvm [based on your VM instance]
4. **For Frequency, enter 0 9 \* \* 1-5.** [Linked to website to help determine range you wish to use]
5. **Target:** Pub/Sub.
6. **Topic:** start-instance-event.
7. **Payload,** [based on your criteria for your VM]
  - a. `{"zone":"europe-west2-c","instance":"mmlinuxvm"}`
8. **Create.**


 Cloud Scheduler

 REFRESH

 CREATE JOB

 DELETE JOB

 Filter resources



<input type="checkbox"/>	Name	State	Description	Frequency	Target	Last run	Result	Logs	
<input type="checkbox"/>	mm-linux-shut	Enabled		0 23 * * 1-5 (Europe/London)	Topic: stop-instance-event		Has not run yet.	<a href="#">View</a>	<button>Run now</button>
<input type="checkbox"/>	mm-win-shut	Enabled	mm win vm close	0 23 * * 1-5 (Europe/London)	Topic: stop-instance-event		Has not run yet.	<a href="#">View</a>	<button>Run now</button>
<input type="checkbox"/>	shutdown-judran-winvm1	Enabled	judran-winvm1	0 23 * * 1-5 (Europe/London)	Topic: stop-instance-event		Has not run yet.	<a href="#">View</a>	<button>Run now</button>
<input type="checkbox"/>	startup-judran-winvm1	Enabled	judran-winvm1	0 7 * * 1-5 (Europe/London)	Topic: start-instance-event		Has not run yet.	<a href="#">View</a>	<button>Run now</button>

Create the stop job.

1. **Cloud Functions**
2. **Create Job.**
3. **Name:** shutdown-mmlinuxvm [based on your VM]
4. **For Frequency, enter 0 9 \* \* 1-5.** [Linked to website to help determine range you wish to use]
5. **Target:** Pub/Sub.
6. **Topic:** stop-instance-event.
7. **Payload,** enter the following [based on your VM criteria]
  - a. `{"zone":"europe-west2-c","instance":"mmlinuxvm"}`
8. **Create.**