

# Advantech AE Technical Share Document

<b>Date</b>	2022/04/20	<b>Related Product</b>	ADAM-6717, ADAM-6750, ADAM-6760D	
<b>Category</b>	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	<b>Related OS</b>	Linux	
<b>Abstract</b>	ADAM-6700-How to download the node into ADAM-6700 Node-RED.			
<b>Keyword</b>	ADAM-6717, ADAM-6750, ADAM-6760D, Node-RED, Node.			
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Date	Version	Author	Reviewer	Description
2022/04/20	V1.0	Karen.Hsu	Owen.Chang	FW: A1.01 B019 OS: adam67c1_v3.1.5

## ■ **Problem Description:**

When user implements the new node on ADAM-6700 Node-RED, they couldn't download the related node into ADAM-6700 Node-RED. This document will illustrate the following points:

1. How to check the version of ADAM-6700 Node-RED?
2. How to download the node into ADAM-6700 Node-RED?
3. How to know that the Node is not supported in ADAM-6700?

## ■ **Brief Solution:**

### 1. How to check the version of ADAM-6700 Node-RED?

Users could check the Node-RED version of ADAM-6700 as Figure 1. The ADAM-6700 Node-RED version is v1.2.2. We could support the node.js up to version 10, please check the node before you download it into ADAM-6700.

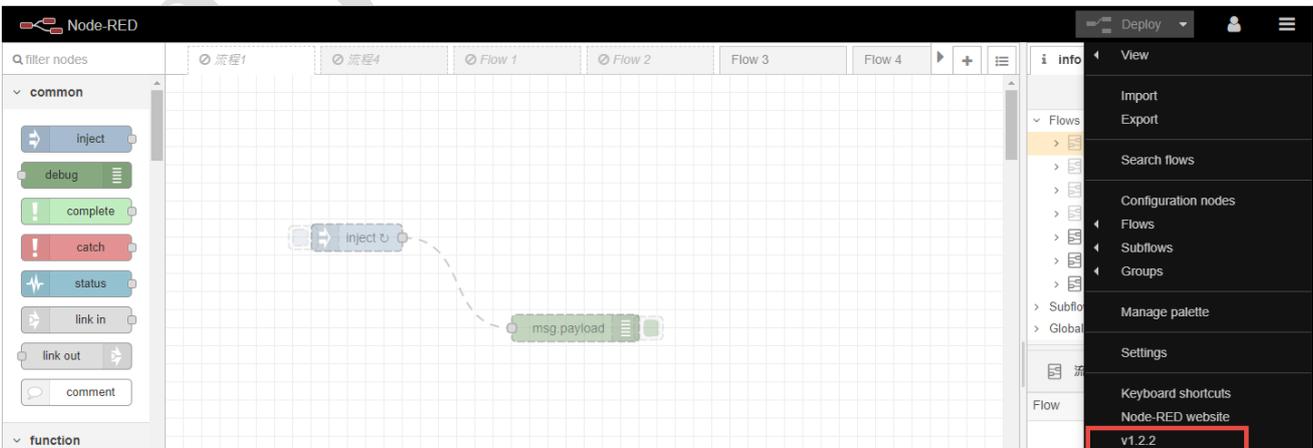


Figure 1. The Node-RED version of ADAM-6700

**2. How to download the node into ADAM-6700 Node-RED?**

The Linux system in ADAM-6700 has a protection mechanism, the default setting is that the node function could be added within 50 seconds after booting, and the user will not be allowed to change after more than 50 seconds as Figure 2.

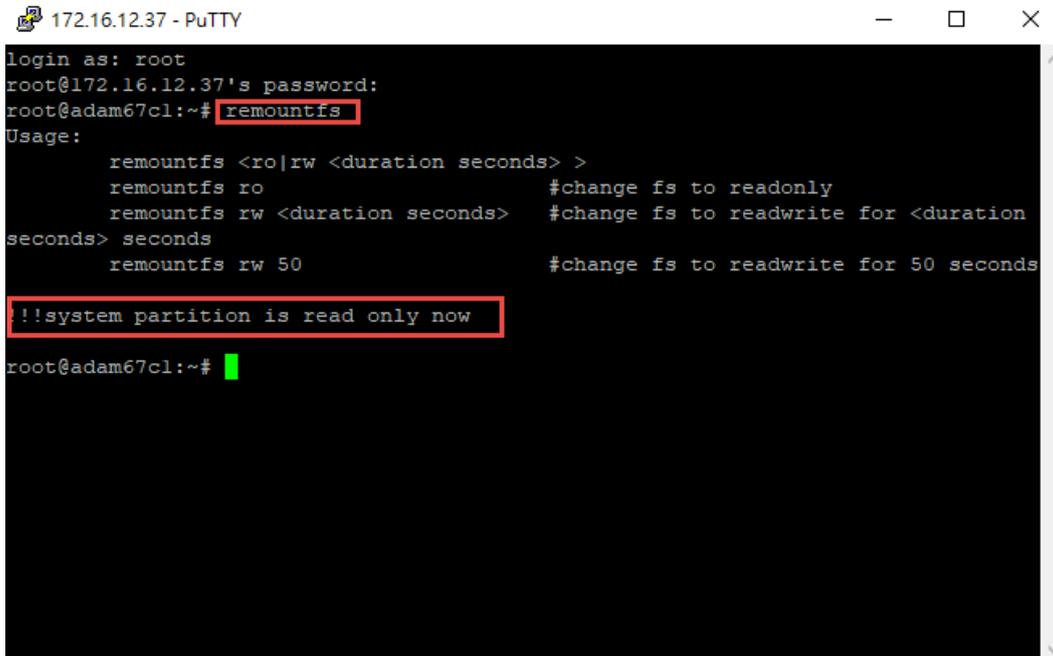


Figure 2. ADAM-6700 Linux protection within 50 seconds by Putty

Users could enter the Node-RED to view the palette of the Node-RED item after using the command "**remountfs rw xxxx**" through the Putty as Figure 3.

For example, you could use the command "**remountfs rw 100**" to extend the read and write time for the protection mechanism. During the protection time, users could add node functions to Node-RED.

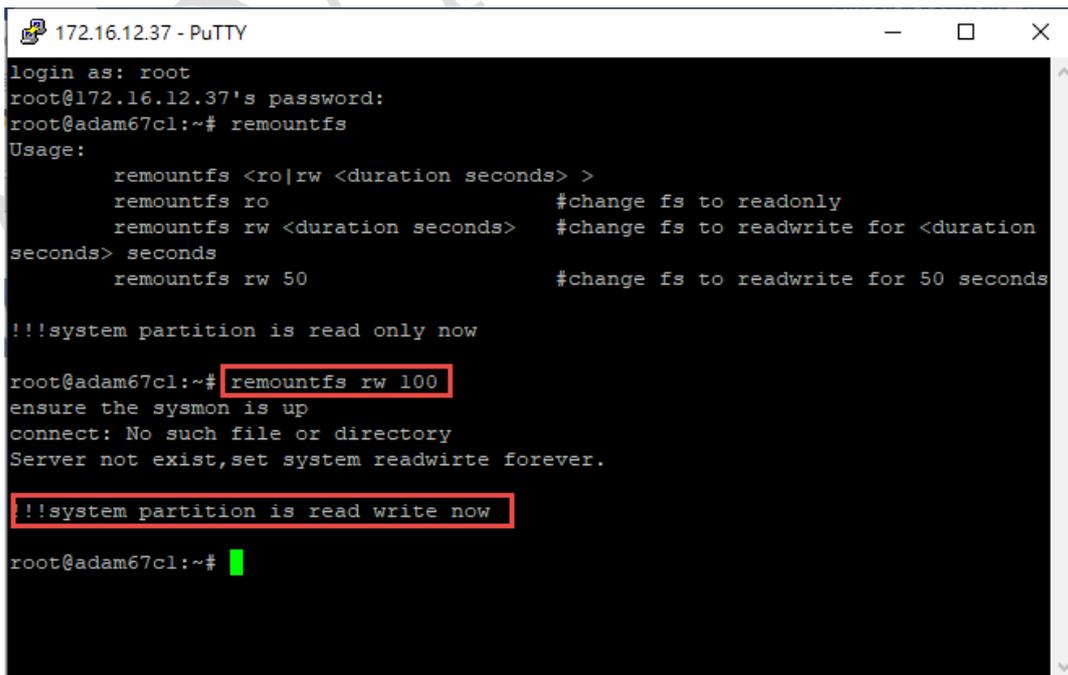


Figure 3. ADAM-6700 Linux system command to extend the read & write time

**3. How to know that the Node is not supported in ADAM-6700?**

You will see the message “Failed to install” pop out in Node-RED UI as Figure 4, you could also check the log about the installation. It is helpful by checking the log information if you encounter the download failure, and you could select other nodes instead of this node if the download fails.

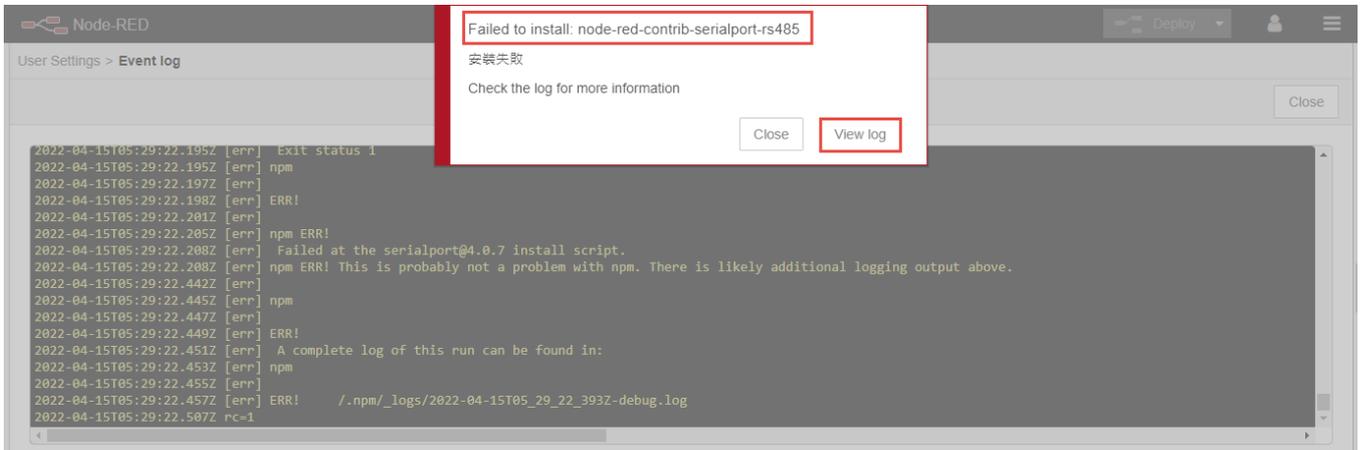


Figure 4. The screenshot when downloading the nodes into ADAM-6700 fail.

There is also other helpful information if you encounter a download failure. There is a different version of Node-RED and Nodes as Figure 5 and Figure 6. Users could search the Node-RED official website before using Node-RED. We will suggest users choose the node that is under maintenance, or the version of the node is too old which may cause compatibility issues. (About the Node information, you could take reference of the Node Info. on the Node-RED official website.)

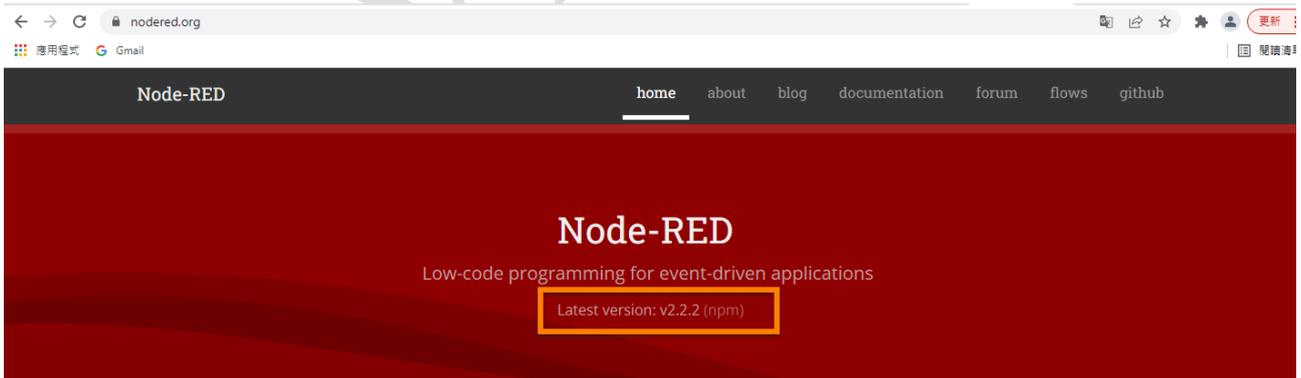


Figure 5. The version of the official Node-RED

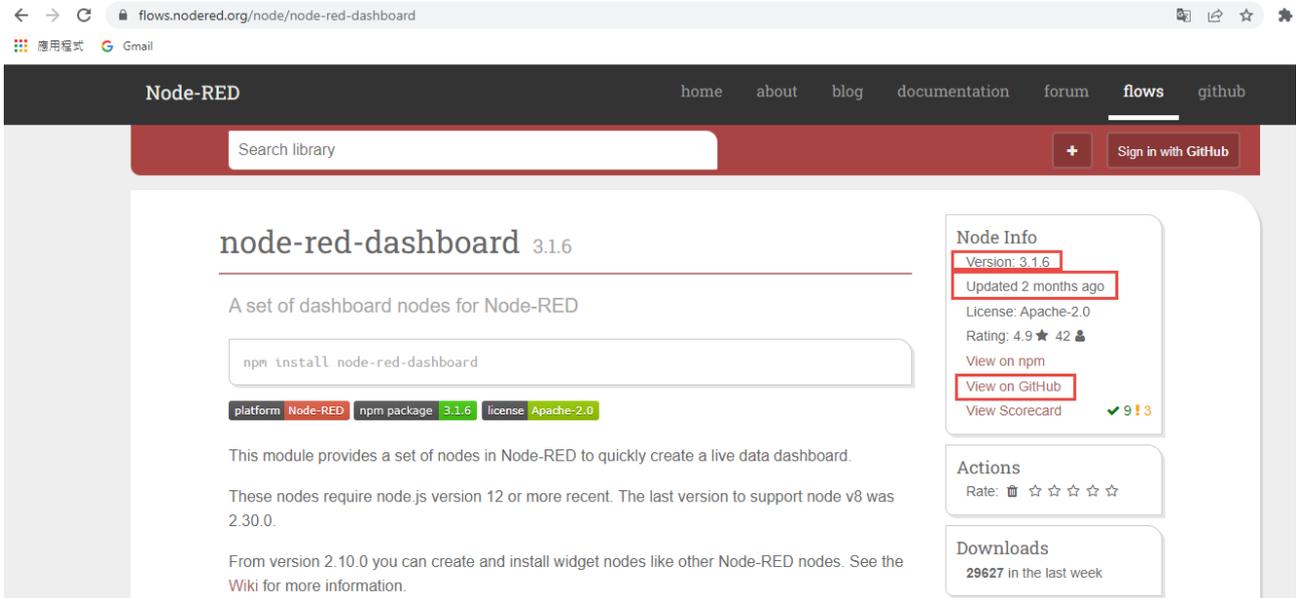


Figure 6. Example of the node version and development resources

In Conclusion, if you encounter the download failure in ADAM-6700 Node-RED, you could check the read/write mode in ADAM-6700 by Putty. If the download still fails, you could provide the log information and the Node Info. for FAE. It will be helpful for us to check the compatibility.