

Document ID:	How to make an Image Backup from the Startupconfig file		
Date :	03/28/22	Robot Models Supported:	R-30iB Plus and Mate Plus
Rev: 0	Init: KTB	Software Required	
Reference:	*Common T S L Solution*		

**1-800-iQ-ROBOT**

## FANUC America Corporation Quick Reference Document

Here is the information you requested!

Note: This short document was compiled at your request as a courtesy of the FANUC America Technical Support Group.

For detailed information, you should consult your FANUC America technical manual.

For more information, call our Hotline: 1800-iQ-ROBOT

\* **Note:** This document is provided as a courtesy and contains condensed and/or summarized information tailored to assist you with a specific issue. For additional and/or detailed information, you must refer to the appropriate FANUC America Corporation Manual or eDoc which specifically applies to the robotics system(s) at your location.

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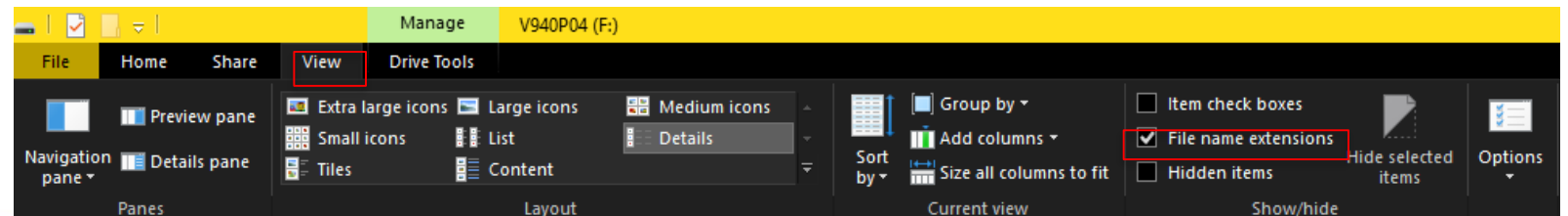
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# Image Backup from Startupconfig.XML

- 1) Create new blank file called “startupconfig.xml” on a blank USB thumb drive.
- 2) Place USB thumb drive in controller door UD1:, turn controller on. Wait 1 minute.
- 3) Remove USB and place it back in your PC
- 4) Turn the controller back off
- 5) On the USB thumb drive, you will find a new file called “EXAMPLE.XML” that has a time-sensitive boot key
- 6) “STARTUPCONFIG.XML” could be renamed to “OLDSTARTUPCONFIG.XML”

NOTE: you may need to make sure file name extensions are visible in Windows Explorer



# EXAMPLE.XML

- Open the file EXAMPLE.XML, it contains several different commands for different systems operations that can be done.
- Time-sensitive boot key is on line 3, it is valid for one hour.
- For Image Backup, the only line you will need (other than the header) is line 10

```
<?xml version="1.0" encoding="utf-8"?>
<ROOT>
  <CONTROLLER expires = "01/20/2022 - 17:56:02" key = "b0350e63-57eb2c6c">
  <!--
  FULL - personality - 0:Existing Personality
  RESTORE - dcsparam - 0:Do not load DCS from SRAM 1:None/Default:Load DCS from SRAM
  Note: Four different CONFIGs shown. If multiple CONFIGs are used, only the last valid CONFIG will be processed.
  <CONFIG startmod = "full" personality = "1"/>
  <CONFIG image = "\U01:\IMG\" startmod = "restore" dcsparam = "1" />
  <CONFIG image = "\U01:\IMG\" startmod = "backup"/>
  <CONFIG startmod = "init"/>
  <ETHERNET id = 'port1' label='CD38A' ip = "DHCP"/>
  <ETHERNET id = 'port2' label='CD388' ip = "172.168.192.10" router = "172.168.1.1" mask = "255.255.248.0" hostname = "MY_ROBOT" />
  <ETHERNET id = 'port3' label='CD38C' ip = "192.168.192.10" router = "192.168.1.1" mask = "255.255.255.0" />
  <PENDANT ip = "172.168.192.200" />
  <STARTMODE value = "COLD" />
  <COMMAND exec = "\U01:\PSDATA1.CF"/>
  -->
  </CONTROLLER>
</ROOT>
```

Example.xml contents

# Create STARTUPCONFIG.XML

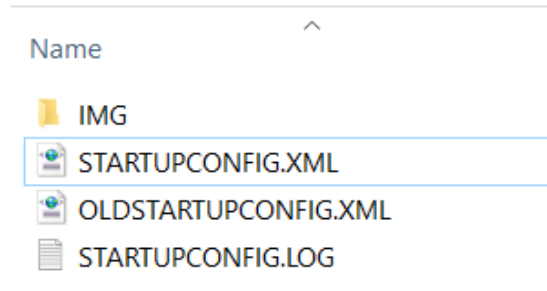
```
<?xml version="1.0" encoding="utf-8"?>
<ROOT>
  <CONTROLLER expires = "03/28/2022 - 17:56:02" key = "b0359e63-57eb2cbc">
<!--
FULL - personality - 0:Existing Personality
RESTORE - dcsparam - 0:Do not load DCS from SRAM 1:None/Default:Load DCS from SRAM
Note: Four different CONFIGs shown. If multiple CONFIGs are used, only the last valid CONFIG will be processed.
<CONFIG startmod = "full" personality = "1"/>
<CONFIG image = "UD1:\IMG\" startmod = "restore" dcsparam = "1" />
<CONFIG image = "UD1:\IMG\" startmod = "backup"/>
<CONFIG startmod = "init"/>
<ETHERNET id='port1' label='CD38A' ip = "DHCP"/>
<ETHERNET id='port2' label='CD38B' ip = "172.168.192.10" router = "172.168.1.1" mask = "255.255.240.0" hostname = "MY_ROBOT" />
<ETHERNET id='port3' label='CD38C' ip = "192.168.192.10" router = "192.168.1.1" mask = "255.255.255.0" />
<PENDANT ip = "172.168.192.200" />
<STARTMODE value = "COLD" />
<COMMAND exec = "UD1:\PSDATA1.CF"/>
-->
</CONTROLLER>
</ROOT>
```



```
<?xml version="1.0" encoding="utf-8"?>
<ROOT>
  <CONTROLLER expires = "03/28/2022 - 17:56:02" key = "b0359e63-57eb2cbc">
<CONFIG image = "UD1:\IMG\" startmod = "backup"/>
  </CONTROLLER>
</ROOT>
|
```

In the Example.XML file, delete all the unnecessary lines so only the ones on the right remain

# Create STARTUPCONFIG.XML



```
<?xml version="1.0" encoding="utf-8"?>
<ROOT>
  <CONTROLLER expires = "03/28/2022 - 17:56:02" key = "b0359e63-57eb2cbc">
<CONFIG image = "UD1:\IMG\" startmod = "backup"/>
  </CONTROLLER>
</ROOT>
```

Startupconfig.xml contents

- Use 'Save As' to rename your new "EXAMPLE.XML" file to "STARTUPCONFIG.XML"
- Save it on the USB thumb drive.
- Create the folder IMG on the root directory of the USB thumb drive, see above example.
- Insert USB thumb drive into controller door UD1: and power on the controller.
- WAIT at least 8 minutes for the Image Backup to finish, usually the LED on the thumb drive will stop flashing when it is done, but be sure to wait at least 8 minutes before powering down.
- The folder IMG will contain your Image Backup.