



Unsetting the Boot Parameter from ROMMON Using Console

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Unsetting the Boot Parameter from ROMMON Using Console

This procedure provides instructions to unset the boot parameter variables from ROMMON using Supervisor Engine 7-E console.

The following are the boot parameters available:

- BootParam1
- BootParam2
- BootParam3
- BootParam4
- BootMode



Note

The boot parameters can also be changed from IOS-XE CLI with certain releases by following the procedures mentioned in the [Unsetting the Boot Parameter Using IOS Command Line Interface](#) document.



Important

You must perform this procedure on both active and standby Supervisor Engine 7-E card because this procedure is applicable only for the current active Cisco RF Gateway 10 Supervisor Engine 7-E. Hence you need to repeat this procedure on the standby Supervisor Engine 7-E card as well.

Before You Begin

- Ensure that you have access to the Cisco RF Gateway 10 Supervisor Engine 7-E Slot 1 and Slot 2 console ports.

- Verify if the Cisco RF Gateway 10 IOS XE software image exists and is accessible.

```
RFGW-10#dir bootflash:*.bin
RFGW-10#dir slavebootflash:*.bin
```



Note The Cisco RF Gateway 10 IOS XE software image can be loaded from bootflash: or remote server.

Procedure

Step 1 Connect to Cisco RF Gateway 10 Supervisor Engine 7-E slot 1 and slot 2 through console.

Step 2 **enable**
Enables privileged EXEC mode in the active supervisor console.

- Enter your password if prompted.

Example:

```
RFGW-10> enable
```

Step 3 Verify if the boot parameter with **ip=:::nova:eth0:off rw disableautoreboot** is set using the **show platform environment variables** command.

Example:

```
RFGW-10# show platform environment variables
PS1="rommon ! >"
SupportedFeatures="1"
ConfigReg="0x2102"
DiagMonitorAction="Normal"
RommonVer="15.0(1r)SQ(315)"
BOOT="slot0:rfgwk10-entservicesk9.03.03.01.SQ.150-2.SQB1.
bin,12;bootflash:rfgwk10-entservicesk9.03.02.00.SQ.150-2.SQA.bin,12;"
RET_2_RTS="01:07:15 EST Tue Feb 4 2014"
BootedFileName="slot0:rfgwk10-entservicesk9.03.03.01.SQ.150-2.SQB1.bin"
ReqClearAutoboot="1"
BootStatus="Success"
RET_2_RCALTS=""
```

Step 4 If the Cisco RF Gateway 10 Supervisor Engine 7-E is in the redundancy mode then ensure that the standby Cisco RF Gateway 10 Supervisor Engine 7-E is operational before reloading the current active Cisco RF Gateway 10 Supervisor Engine 7-E. Reload the active Cisco RF Gateway 10 Supervisor Engine 7-E using the **reload** or **redundancy force-switchover** command.

Example:

```
RFGW-10# reload
Proceed with reload? [confirm]
```

Note After executing the **reload** command, the standby Cisco RF Gateway 10 Supervisor Engine 7-E becomes the active Cisco RF Gateway 10 Supervisor Engine 7-E. The **reload** command triggers the active Cisco RF Gateway 10 Supervisor Engine 7-E reboot and not the full chassis reload.

or

Example:

```
RFGW-10# redundancy force-switchover
```

```
This will reload the active unit and force switchover to standby [confirm]
Preparing for switchover..
```

Step 5 Press **Ctrl-C** on the Cisco RF Gateway 10 Supervisor Engine 7-E console to stop the boot process to enter ROMMON mode in console connection.

Example:

```
Restarting system.
*****
*
* Welcome to Rom Monitor for RFGW-X45-SUP7-E System. *
* Copyright (c) 2008-2009, 2012 by Cisco Systems, Inc. *
* All rights reserved. *
*
*****
Primary Rom Monitor Version 15.0(1r)SQ(315)
CPU Rev: 2.2, Board Rev: 10, Board Type: 101, CPLD JoeCR Rev: 10.0x3718.0xb565
Chassis: WS-CABLE_RFGW
Got Mac Address : 44:d3:ca:6e:9e:37
MAC Address : 44-d3-ca-6e-9e-37
IP Address : 192.34.10.10
Netmask : 255.255.255.0
Gateway : 192.34.10.254
TftpServer : 192.3.10.1
**** The system will autoboot in 5 seconds ****
Type control-C to prevent autobooting.
```

Step 6 Unset the boot parameter using the **unset bootparamvariable** command.

- *BootParamvariable* - The boot parameter variables.

The following are the boot Parameter variables available:

- BootParam1
- BootParam2
- BootParam3
- BootParam4
- BootMode

Example:

```
rommon1> unset BootParam1
rommon2> unset BootParam2
rommon3> unset BootParam3
rommon4> unset BootParam4
```

Step 7 Ensure that the boot parameter variables are unset using the **set** command.

Example:

```
rommon> set
PS1="rommon ! >"
SupportedFeatures="1"
ConfigReg="0x2102"
DiagMonitorAction="Normal"
RommonVer="15.0 (1r)SQ (315) "
BOOT="slot0:rfgwk10-entservicesk9.03.03.01.SQ.150-2.SQB1.
bin,12;bootflash:rfgwk10-entservicesk9.03.02.00.SQ.150-2.SQA.bin,12;"
RET_2_RTS="01:07:15 EST Tue Feb 4 2014"
BootedFileName="slot0:rfgwk10-entservicesk9.03.03.01.SQ.150-2.SQB1.bin"
ReqClearAutoboot="1"
BootStatus="Success"
RET_2_RCALTS=""
```

Step 8 Boot the Cisco RF Gateway 10 IOS XE software image from the **bootflash**:

Example:

```
rommon5> boot bootflash:rfgwk10-entservicesk9.03.03.01.SQ.150-2.SQB1.bin
```

Step 9 Repeat steps [Step 1](#), [on page 2](#) to [Step 8](#), [on page 4](#) on new active supervisor console.

Step 10 Verify if the correct version of IOS is on both Supervisor Engine 7-E cards, they are in SSO Redundancy mode.

Example:

```
RFGW-10# show redundancy
Redundant System Information :
-----
Available system uptime = 3 days, 18 hours, 50 minutes
Switchovers system experienced = 0
Standby failures = 0
Last switchover reason = none

Hardware Mode = Duplex
Configured Redundancy Mode = Stateful Switchover
Operating Redundancy Mode = Stateful Switchover
Maintenance Mode = Disabled
Communications = Up

Current Processor Information :
-----
Active Location = slot 1
Current Software state = ACTIVE
Uptime in current state = 3 days, 18 hours, 49 minutes
Image Version = Cisco IOS Software, IOS-XE Software, RFGW-10 Software
(rfgwk10-ENTSERVICESK9-M), Version 03.03.01.SQ RELEASE SOFTWARE (fc1)
Copyright (c) 1986-2014 by Cisco Systems, Inc.
Compiled Wed 26-Mar-14 1
BOOT = bootflash:rfgwk10-entservicesk9.03.03.01.SQ.150-2.SQB1.bin,12;
Configuration register = 0x2

Peer Processor Information :
-----
Standby Location = slot 2
Current Software state = STANDBY HOT
Uptime in current state = 21 hours, 10 minutes
Image Version = Cisco IOS Software, IOS-XE Software, RFGW-10 Software
(rfgwk10-ENTSERVICESK9-M), Version 03.03.01.SQ RELEASE SOFTWARE (fc1)
Copyright (c) 1986-2014 by Cisco Systems, Inc.
Compiled Wed 26-Mar
```

```
BOOT = bootflash:rfgwk10-entservicesk9.03.03.01.SQ.150-2.SQB1.bin,12;  
Configuration register = 0x2
```
