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Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

clear license agent

To clear license agent statistics counters or connection statistics, use the **clear license agent** command in privileged EXEC mode.

```
clear license agent {counters | sessions}
```

Syntax Description

counters	Clears license agent statistics counters.
sessions	Clears license agent connection statistics.

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
15.0(1)M	This command was introduced.
Cisco IOS XE Release 3.5S	This command was integrated into Cisco IOS XE Release 3.5S and implemented on the Cisco ASR 903 router.

Examples

The following example clears license agent statistics counters:

```
Router# clear license agent counters
```

Related Commands

Command	Description
show license	Displays information about a Cisco IOS software license.

debug license

To enable controlled Cisco IOS software license debugging activity on a device, use the **debug license** command in privileged EXEC mode. To disable debugging, use the **no** form of this command.

```
debug license {agent {all | error} | core {all | errors | events} | errors | events | ipc}
no debug license {agent {all | error} | core {all | errors | events} | errors | events | ipc}
```

Cisco ASR 903 Router Platforms

```
debug license {agent {all | errors} | core {all | errors | events} | errors | events | feature atm | ipc}
no debug license {agent {all | errors} | core {all | errors | events} | errors | events | feature atm | ipc}
```

Cisco ASR 1001 Router Platforms

```
debug license {core {all | errors | events} | errors | ipc}
no debug license {core {all | errors | events} | errors | ipc}
```

Syntax Description

agent	Debugs license agent information. <ul style="list-style-type: none"> all--Debugs all license agent messages. error--Debugs only license agent error messages.
core	Debugs messages from a license core module. <ul style="list-style-type: none"> all--Debugs all license core messages. errors--Debugs only license core error messages. events--Debugs only license core event messages.
errors	Debugs license warnings and errors.
events	Debugs license event messages.
feature atm	Debugs the ATM feature license.
ipc	Debugs license interprocess communication (IPC) messages.

Command Default

Debugging is disabled.

Command Modes Privileged EXEC (#)

Command History

Release	Modification
12.2(35)SE2	This command was introduced.
12.4(15)XZ	This command was integrated into Cisco IOS Release 12.4(15)XZ.
12.4(20)T	This command was integrated into Cisco IOS Release 12.4(20)T.
Cisco IOS XE Release 3.2S	This command was integrated into Cisco IOS XE Release 3.2S and implemented on the Cisco ASR 1001 router.
Cisco IOS XE Release 3.5S	This command was modified. The feature atm keywords were added for the Cisco ASR 903 router.

Usage Guidelines

Use this command to help troubleshoot issues with licenses on a device.

On the Cisco ASR 1001 router, the output from the **debug license** command is not in standard IOS format. You must execute the **request platform software trace rotate all** privileged EXEC command to make the output in the log files in the bootflash:tracelogs directory.

Examples

The following example shows how to enable debugging for license warnings and errors on a router:

```
Router# debug license errors
License warnings and errors debugging is on
```

The following example shows how to enable debugging for all license agent information on a switch:

```
Switch# debug license agent all
license agent app https[0x43FBC7C]: urlhook function
license agent app https[0x43FBC7C]: https action function
LIC_AGENT:Processing XML message
<?xml version="1.0" encoding="UTF-8"?>
<SOAP:Envelope xmlns:SOAP="http://www.w3.org/2003/05/soap-envelope">
<SOAP:Header>
<clm:Header version="1.0" xmlns:clm="http://www.cisco.com/clm">
<clm:Time>2003-04-23T20:27:19.827Z</clm:Time>
</clm:Header>
</SOAP:Header>
<SOAP:Body>
<lica:request xmlns:lica="http://www.cisco.com/clm">
<lica:installRequest>
<lica:license encoding="BASE64">
PENJU0NPX1dUX0FSVEIGQUNUyB2ZXJzaW9uPSIxLjAiPjxDSVNDT19XVF9MSUNFTINFHIZlcnNp
b249IjEuMCI+PEZVFQVRVUkVfTkFNRT5pcGJhc2U8L0ZFQVRVUkVfTkFNRT48RkVBVFVSRV9WRVJT
SU9OPjEuMDwwRkVBVFVSRV9WRVJTSU9OPjxVREk+PFBIRD5CVUxMU0VZRTI0PC9QSUQ+PFNOPkNB
VDEwMDZSMEU4PC9TTj48L1VEST48U09VUkNFpkNpc2NvIEhRPC9TT1VSQ0U+PENSRUUFURV9EQVRF
PjIwMDYtMTEtMjJUMDA6Mz6MNTA8L0NSRUFURV9EQVRFpjmSUNFTINFx0xJTkVfSEFTSCBoYXNo
QWxnbnz0iU0hBMSI+NDJiNFVWVFpOd3pJK0ZNdEV6QINZSDRWdzFFPTwvTEIDRU5TRV9MSU5FX0hB
U0g+PFRZUEU+UkVHVUxBUjJwVFIQRT48TEIDRU5TRV9MSU5FPjwhW0NEQVRBWzExIGlwYmFzZSAx
```

```

LjAgTE9ORyBOT1JNQUwgU1RBTkRBTE9ORSBFWENMIEIORKIOSVRFX0tFWVMgSU5GSU5JVEVfS0VZ
UyBORVZFUibORVZFUibOaUwgU0xNX0NPREUgQ0xfTkRfTENLIE5pTCAqMVZBUiY5WIJESzREOU5U
NDAwIE5pTCBOaUwgTmlMIDVfTUIOUyA8VURJPjxQSUQ+QIVMTFNFWUyNDwwUEIEPjxTTj5DQVQx
MDA2UjBfODwwU04+PC9VREk+IGUxWW8wS1U2VnJLOnBJZXRib1dJVKyEYzIVaVGdieUIEakIHWERR
VXc3dkxOYWlXRzZ0dUJOMG5ITXpKaHpzQ2tMN113TWfxS2paem05YW5FbVJHUUVPTHIDdmRVZksW
QmNLN0pPcnZsUkw0VjMyJDxXTEM+QVFFQkIRQUiVly9GbS8vWDkybThNb0NOZkVMShJiVzRjWDFM
ZGNpdDNMVU5GWIV1OWppI0phcXB5Q2N6TTFpaUIKbVE3NEd5WHJFY3F2UGlBbVdTYUvVtVQ1NnJz
dGs2Z3ZtaitFUUtSZkQ5QTBpbWUxY3pyZEt4ZklMVDBMYVhUNDE2bndtZnA5MIR5YTZ2SVE0Rm5s
QmRxSjFzTXpYZVNxOFBtVmNUVTIBNG85aGlsOXZLdXI4TjIjGODg1RDIHVkYwYkplY2IUNU09PC9X
TEM+XV0+PC9MSUNFTINFx0xJTkU+PFVTRVJfTU9ESUZJQUJMRV9DT01NRU5UIGZpZWxkUmVzdHJp
Y3Rpb25zPSJNYXggOTkgQVNDSUkgY2hhcmFjdGVycyBpbjBsZW5ndGgulj48L1VTRVJfTU9ESUZJ
QUJMRV9DT01NRU5UPjwvQ0lTQ09fV1RfTEIDRU5TRT48L0NjU0NPX1dUX0FSVEIGQUNUuZ4=
</lica:license>
</lica:installRequest>
</lica:request>
</SOAP:Body>
</SOAP:Envelope>
LIC_AGENT: XML received opcode(1)
LIC_AGENT: License ipbase
%IOS_LICENSE_IMAGE_APPLICATION-6-LICENSE_LEVEL: Next reboot level = ipbase and License = ipbase
LIC_AGENT: Notification Event type = 1 License Installed
LIC_AGENT: Notification Event type = 13 License Annotate

```

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