

View Software Information

OPERATING INSTRUCTIONS

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View Software Information



1 Introduction

This document describes how to view the IPWorks software information on the Managed Element (ME). The information informs the user of the following:

- Which software items a software version consists of
- Which software versions are active and control the behavior of the ME
- Which software versions are inactive and present on the ME

1.1 Prerequisites

This section describes the prerequisites, which must be fulfilled before using the procedure.

1.1.1 Conditions

The following condition must apply:

- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.



View Software Information



2 Procedure

This section provides several methods to check the software information.

2.1 Checking Release Information via ECLI

To view release information:

1. Navigate to the `ManagedElement` Managed Object (MO), for example:

```
>dn ManagedElement=<Node Name>
```

2. Show the release information:

```
(ManagedElement=1)>show -v
ManagedElement=ipworks_cba
dateTimeOffset=[] <empty> <read-only> <deprecated>
dnPrefix=[] <empty>
localDateTime=[] <empty> <read-only> <deprecated>
managedElementId="ipworks_cba"
managedElementType="IPWorks" <read-only>
networkManagedElementId="ipworks_cba"
release="<Version Number>" <read-only>
siteLocation=[] <empty>
timeZone=[] <empty> <read-only> <deprecated>
userLabel=[] <empty>
productIdentity=[] <empty> <deprecated>
Equipment=1
IpworksFunction=1
JavaCaf=1
SystemFunctions=1
Transport=1
```

Where: <Version Number> is like "2.1" for IPWorks 2.1.

Corresponding to release in `ManagedElement` MO, IPWorks product number can be checked by navigating to `IpworksFunction` MO and retrieving release attribute:

```
(IpworksFunction=1)>show -v
IpworksFunction=1
ipworksRootId="1"
release="<Product Number>" <read-only>
userLabel="draft"
IPWorksAAARoot=1
IpworksCommonRoot=1
IPWorksDHCPRoot=1
IpworksDnsRoot=1
```



Where: <Product Number> is the product number for IPWorks, such as "AVA 901 33/3 R2A" for IPWorks 2.1.

2.2 Checking Software Information via ECLI

To view software information:

1. Navigate to the `SwInventory` Managed Object (MO), for example:

```
>dn ManagedElement=<Node Name>,SystemFunctions=1,SwInventory=1
```

2. Show the software versions and their software items:

```
(SwInventory=1)>show
```

The following example output shows an active software version with product name `ERIC-COREMW_RUNTIME`, product number `CXP9020355_2`, and product revision `R1C01`. There are 58 software items present on the ME.

```
SwInventory=1
active
"ManagedElement=<Node Name>,SystemFunctions=1,SwInventory=1,⇒
SwVersion=ERIC-COREMW_RUNTIME-CXP9020355_2-R1C01"
SwItem=ERIC-COM_LDAPSM-CXP9028493_1-R1B02
SwItem=ERIC-Brfp-CXP9018859_2-R1A008
SwItem=ERIC-Brf-CXP9018859_2-R1A008
SwItem=ERIC-COM-CXP9028493_1-R1B02
SwItem=ERIC-COM_DEBUGINFO-CXP9028493_1-R1B02
SwItem=ERIC-COM_LDAPSM_DEBUGINFO-CXP9028493_1-R1B02
SwItem=ERIC-COREMW_COMMON-CXP9017566_2-R1C01
SwItem=ERIC-COREMW_OPENSAP-CXP9017656_2-R1C01
SwItem=ERIC-COREMW_SC-CXP9017565_2-R1C01
SwItem=ERIC-EVIP-CXP9017652_3-R1B04
SwItem=ERIC-LINUX_CONTROL-CXP9013151_4-R1D03
SwItem=ERIC-LINUX_PAYLOAD-CXP9013152_4-R1D03
SwItem=ERIC-lde-brf-script-cxp9021148-2.1.0-2
SwItem=ERIC-SS7CAF_EABss7069-ANA90137_4-R4A115
SwItem=ERIC-SS7CAF_EABss7052-ANA90137_4-R4A115
SwItem=ERIC-BrfEia-CXP9024651_2-R1A008
SwItem=ERIC-SS7CAF_EABss7038-ANA90137_4-R4A115
SwItem=ERIC-IPWASDNSSM-ASDNSSM-R2B01
SwItem=ERIC-javaoam-core-cxp9030376-2.0.0-186
SwItem=ERIC-sec-la-sm-cxp9026994-2.0.0-13.sle12
SwItem=ERIC-sec-crypto-cxp9027895-2.0.0-06.sle12
SwItem=ERIC-SS7CAF_EABss7060-ANA90137_4-R4A115
SwItem=ERIC-sec-la-ldap-cxp9026994-2.0.0-13.sle12
SwItem=ERIC-IPWCOMMON-CXP9032086_1-R2B01
SwItem=ERIC-SS7CAF_EABss7057-ANA90137_4-R4A115
SwItem=ERIC-SS7CAF_EABss7053-ANA90137_4-R4A115
```




```

SwItem=ERIC-SS7CAF_EABss7039-ANA90137_4-R4A115
SwItem=ERIC-LmSa-CXP9021377_2-R1A06
SwItem=ERIC-BrfCmWA-CXP9018859_2-R1A008
SwItem=ERIC-sec-acs-cxp9026450-2.0.0-12.sle12
SwItem=ERIC-SS7CAF_EABss7058-ANA90137_4-R4A115
SwItem=ERIC-IPWDNS-CXP9032080_1-R2B01
SwItem=ERIC-IPWSYSLOG-CXP9032689_1-R1B01
SwItem=ERIC-SS7CAF_EABss7049-ANA90137_4-R4A115
SwItem=ERIC-SS7CAF_EABss7050-ANA90137_4-R4A115
SwItem=ERIC-SS7CAF_EABss7044-ANA90137_4-R4A115
SwItem=ERIC-SS7CAF_EABss7059-ANA90137_4-R4A115
SwItem=ERIC-IPWJRE-93_CAX1053951-R2B01
SwItem=ERIC-SS7CAF_EABss7041-ANA90137_4-R4A115
SwItem=ERIC-LmClientLibrary-CXP9022092_5-R1A28
SwItem=ERIC-SS7CAF_EABss7072-ANA90137_4-R4A115
SwItem=ERIC-SS7CAF_EABss7055-ANA90137_4-R4A115
SwItem=ERIC-LmServer-CXP9022159_5-R1A28
SwItem=ERIC-IPWASDNSMON-CXP9032081_1-R2B01
SwItem=ERIC-sec-cert-agent-cxp9027891-2.0.0-06.sle12
SwItem=ERIC-IPWCMDNS-CT_IPWCMDNS-R2B01
SwItem=ERIC-IPWENUMFE-CXP9032286_1-R2B01
SwItem=ERIC-SS7CAF_EABss7056-ANA90137_4-R4A115
SwItem=ERIC-IPWCLI-CXP9032084_1-R2B01
SwItem=ERIC-IPWDNSSM-DNSSM-R2B01
SwItem=ERIC-IPWSS-CXP9032083_1-R2B01
SwItem=ERIC-IPWBRFP-CXP9032085_1-R2B01
SwItem=ERIC-IPWMySQL-29_CAX1053867-R2B01
SwItem=ERIC-sec-cert-manager-cxp9027891-2.0.0-06.sle12
SwItem=ERIC-IPWCMENUM-CT_IPWCMENUM-R2B01
SwItem=ERIC-sec-la-oi-cxp9026994-2.0.0-13.sle12
SwItem=ERIC-IPWENUM-CXP9031763_1-R2B01
SwItem=ERIC-IPWSM-CXP9032082_1-R2B01

```

3. Show detailed information about the software versions and their software items:

```
(SwInventory=1)>show -r
```

The following example output shows further details about the software version and the software items. For example, their respective product name, number, and revision are displayed as part of administrativeData. It is also possible to see that 3 out of the 58 software items belong to the software version.

```

SwInventory=1
active
  "ManagedElement=<Node Name>,SystemFunctions=1,SwInventory=1,⇒
SwVersion=ERIC-COREMW_RUNTIME-CXP9020355_2-R1C01"
SwItem=ERIC-COM_LDAPSM-CXP9028493_1-R1B02
administrativeData
  description="ERIC-COM_LDAPSM"

```



```
        productionDate="2016-02-14T18:11:00"
        productName="ERIC-COM_LDAPSM"
        productNumber="CXP9028493_1"
        productRevision="R1B02"
        type="OTHER"
SwItem=ERIC-Brfp-CXP9018859_2-R1A008
  administrativeData
    description="ERIC-Brfp"
    productionDate="2015-11-14T04:38:00"
    productName="ERIC-Brfp"
    productNumber="CXP9018859_2"
    productRevision="R1A008"
    type="OTHER"
SwItem=ERIC-Brf-CXP9018859_2-R1A008
  administrativeData
    description="ERIC-Brf"
    productionDate="2015-11-14T04:38:00"
    productName="ERIC-Brf"
    productNumber="CXP9018859_2"
    productRevision="R1A008"
    type="OTHER"
SwItem=ERIC-COM-CXP9028493_1-R1B02
  administrativeData
    description="ERIC-COM"
    productionDate="2016-02-14T18:11:00"
    productName="ERIC-COM"
    productNumber="CXP9028493_1"
    productRevision="R1B02"
    type="OTHER"
SwItem=ERIC-COM_DEBUGINFO-CXP9028493_1-R1B02
  administrativeData
    description="ERIC-COM_DEBUGINFO"
    productionDate="2016-02-14T18:11:00"
    productName="ERIC-COM_DEBUGINFO"
    productNumber="CXP9028493_1"
    productRevision="R1B02"
    type="OTHER"
SwItem=ERIC-COM_LDAPSM_DEBUGINFO-CXP9028493_1-R1B02
  administrativeData
    description="ERIC-COM_LDAPSM_DEBUGINFO"
    productionDate="2016-02-14T18:11:00"
    productName="ERIC-COM_LDAPSM_DEBUGINFO"
    productNumber="CXP9028493_1"
    productRevision="R1B02"
    type="OTHER"
SwItem=ERIC-COREMW_COMMON-CXP9017566_2-R1C01
  administrativeData
    description="ERIC-COREMW_COMMON"
    productionDate="2016-03-17T16:25:57"
    productName="ERIC-COREMW_COMMON"
    productNumber="CXP9017566_2"
```



```
productRevision="R1C01"  
type="MW"
```

```
SwItem=ERIC-COREMW_OPENSFAF-CXP9017656_2-R1C01
```

```
administrativeData  
  description="ERIC-COREMW_OPENSFAF"  
  productionDate="2016-03-17T16:25:57"  
  productName="ERIC-COREMW_OPENSFAF"  
  productNumber="CXP9017656_2"  
  productRevision="R1C01"  
  type="MW"
```

```
SwItem=ERIC-COREMW_SC-CXP9017565_2-R1C01
```

```
administrativeData  
  description="ERIC-COREMW_SC"  
  productionDate="2016-03-17T16:25:57"  
  productName="ERIC-COREMW_SC"  
  productNumber="CXP9017565_2"  
  productRevision="R1C01"  
  type="MW"
```

```
SwItem=ERIC-EVIP-CXP9017652_3-R1B04
```

```
administrativeData  
  description="ERIC-EVIP"  
  productionDate="2016-01-29T19:30:00"  
  productName="ERIC-EVIP"  
  productNumber="CXP9017652_3"  
  productRevision="R1B04"  
  type="OTHER"
```

```
SwItem=ERIC-LINUX_CONTROL-CXP9013151_4-R1D03
```

```
administrativeData  
  description="ERIC-LINUX_CONTROL"  
  productionDate=""  
  productName="ERIC-LINUX_CONTROL"  
  productNumber="CXP9013151_4"  
  productRevision="R1D03"  
  type="OTHER"
```

```
SwItem=ERIC-LINUX_PAYLOAD-CXP9013152_4-R1D03
```

```
administrativeData  
  description="ERIC-LINUX_PAYLOAD"  
  productionDate=""  
  productName="ERIC-LINUX_PAYLOAD"  
  productNumber="CXP9013152_4"  
  productRevision="R1D03"  
  type="OTHER"
```

```
SwItem=ERIC-lde-brf-script-cxp9021148-2.1.0-2
```

```
administrativeData  
  description="ERIC-lde-brf-script-cxp9021148"  
  productionDate="2015-12-02T08:29:49"  
  productName="ERIC-lde-brf-script-cxp9021148"  
  productNumber=""  
  productRevision="2.1.0-2"
```



```
        type="OTHER"
SwItem=ERIC-SS7CAF_EABss7069-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7069"
    productionDate="2015-12-11T06:27:00"
    productName="ERIC-SS7CAF_EABss7069"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-SS7CAF_EABss7052-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7052"
    productionDate="2015-12-11T05:55:00"
    productName="ERIC-SS7CAF_EABss7052"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-BrfEia-CXP9024651_2-R1A008
  administrativeData
    description="ERIC-BrfEia"
    productionDate="2015-11-14T04:44:00"
    productName="ERIC-BrfEia"
    productNumber="CXP9024651_2"
    productRevision="R1A008"
    type="OTHER"
SwItem=ERIC-SS7CAF_EABss7038-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7038"
    productionDate="2015-12-11T04:59:00"
    productName="ERIC-SS7CAF_EABss7038"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-IPWASDNSSM-ASDNSSM-R2B01
  administrativeData
    description="ERIC-IPWASDNSSM"
    productionDate="2016-03-17T17:05:00"
    productName="ERIC-IPWASDNSSM"
    productNumber="ASDNSSM"
    productRevision="R2B01"
    type="OTHER"
SwItem=ERIC-javaoam-core-cxp9030376-2.0.0-186
  administrativeData
    description="ERIC-javaoam-core-cxp9030376"
    productionDate="2015-11-24T09:55:13"
    productName="ERIC-javaoam-core-cxp9030376"
    productNumber=""
    productRevision="2.0.0-186"
    type="OTHER"
SwItem=ERIC-sec-la-sm-cxp9026994-2.0.0-13.sle12
  administrativeData
```



```
description="ERIC-sec-la-sm-cxp9026994"  
productionDate="2015-12-01T21:55:04"  
productName="ERIC-sec-la-sm-cxp9026994"  
productNumber=""  
productRevision="2.0.0-13.sle12"  
type="OTHER"
```

```
SwItem=ERIC-sec-crypto-cxp9027895-2.0.0-06.sle12
```

```
administrativeData  
description="ERIC-sec-crypto-cxp9027895"  
productionDate="2015-10-22T18:13:18"  
productName="ERIC-sec-crypto-cxp9027895"  
productNumber=""  
productRevision="2.0.0-06.sle12"  
type="OTHER"
```

```
SwItem=ERIC-SS7CAF_EABss7060-ANA90137_4-R4A115
```

```
administrativeData  
description="ERIC-SS7CAF_EABss7060"  
productionDate="2015-12-11T06:26:00"  
productName="ERIC-SS7CAF_EABss7060"  
productNumber="ANA90137_4"  
productRevision="R4A115"  
type="OTHER"
```

```
SwItem=ERIC-sec-la-ldap-cxp9026994-2.0.0-13.sle12
```

```
administrativeData  
description="ERIC-sec-la-ldap-cxp9026994"  
productionDate="2015-12-01T21:55:04"  
productName="ERIC-sec-la-ldap-cxp9026994"  
productNumber=""  
productRevision="2.0.0-13.sle12"  
type="OTHER"
```

```
SwItem=ERIC-IPWCOMMON-CXP9032086_1-R2B01
```

```
administrativeData  
description="ERIC-IPWCOMMON"  
productionDate="2016-03-17T16:58:00"  
productName="ERIC-IPWCOMMON"  
productNumber="CXP9032086_1"  
productRevision="R2B01"  
type="OTHER"
```

```
SwItem=ERIC-SS7CAF_EABss7057-ANA90137_4-R4A115
```

```
administrativeData  
description="ERIC-SS7CAF_EABss7057"  
productionDate="2015-12-11T06:17:00"  
productName="ERIC-SS7CAF_EABss7057"  
productNumber="ANA90137_4"  
productRevision="R4A115"  
type="OTHER"
```

```
SwItem=ERIC-SS7CAF_EABss7053-ANA90137_4-R4A115
```

```
administrativeData  
description="ERIC-SS7CAF_EABss7053"
```



```
        productionDate="2015-12-11T06:05:00"
        productName="ERIC-SS7CAF_EABss7053"
        productNumber="ANA90137_4"
        productRevision="R4A115"
        type="OTHER"
SwItem=ERIC-SS7CAF_EABss7039-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7039"
    productionDate="2015-12-11T05:10:00"
    productName="ERIC-SS7CAF_EABss7039"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-LmSa-CXP9021377_2-R1A06
  administrativeData
    description="ERIC-LmSa"
    productionDate="2015-10-29T00:31:00"
    productName="ERIC-LmSa"
    productNumber="CXP9021377_2"
    productRevision="R1A06"
    type="OTHER"
SwItem=ERIC-BrfCmwA-CXP9018859_2-R1A008
  administrativeData
    description="ERIC-BrfCmwA"
    productionDate="2015-11-14T04:38:00"
    productName="ERIC-BrfCmwA"
    productNumber="CXP9018859_2"
    productRevision="R1A008"
    type="OTHER"
SwItem=ERIC-sec-acscxp9026450-2.0.0-12.sle12
  administrativeData
    description="ERIC-sec-acscxp9026450"
    productionDate="2015-12-01T21:49:00"
    productName="ERIC-sec-acscxp9026450"
    productNumber=""
    productRevision="2.0.0-12.sle12"
    type="OTHER"
SwItem=ERIC-SS7CAF_EABss7058-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7058"
    productionDate="2015-12-11T06:21:00"
    productName="ERIC-SS7CAF_EABss7058"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-IPWDNS-CXP9032080_1-R2B01
  administrativeData
    description="ERIC-IPWDNS"
    productionDate="2016-03-17T17:05:00"
    productName="ERIC-IPWDNS"
    productNumber="CXP9032080_1"
```



```
        productRevision="R2B01"
        type="OTHER"
SwItem=ERIC-IPWSYSLOG-CXP9032689_1-R1B01
    administrativeData
        description="ERIC-IPWSYSLOG"
        productionDate="2016-03-17T16:58:00"
        productName="ERIC-IPWSYSLOG"
        productNumber="CXP9032689_1"
        productRevision="R1B01"
        type="OTHER"
SwItem=ERIC-SS7CAF_EABss7049-ANA90137_4-R4A115
    administrativeData
        description="ERIC-SS7CAF_EABss7049"
        productionDate="2015-12-11T05:38:00"
        productName="ERIC-SS7CAF_EABss7049"
        productNumber="ANA90137_4"
        productRevision="R4A115"
        type="OTHER"
SwItem=ERIC-SS7CAF_EABss7050-ANA90137_4-R4A115
    administrativeData
        description="ERIC-SS7CAF_EABss7050"
        productionDate="2015-12-11T05:51:00"
        productName="ERIC-SS7CAF_EABss7050"
        productNumber="ANA90137_4"
        productRevision="R4A115"
        type="OTHER"
SwItem=ERIC-SS7CAF_EABss7044-ANA90137_4-R4A115
    administrativeData
        description="ERIC-SS7CAF_EABss7044"
        productionDate="2015-12-11T05:16:00"
        productName="ERIC-SS7CAF_EABss7044"
        productNumber="ANA90137_4"
        productRevision="R4A115"
        type="OTHER"

SwItem=ERIC-SS7CAF_EABss7059-ANA90137_4-R4A115
    administrativeData
        description="ERIC-SS7CAF_EABss7059"
        productionDate="2015-12-11T06:26:00"
        productName="ERIC-SS7CAF_EABss7059"
        productNumber="ANA90137_4"
        productRevision="R4A115"
        type="OTHER"
SwItem=ERIC-IPWJRE-93_CAX1053951-R2B01
    administrativeData
        description="ERIC-IPWJRE"
        productionDate="2016-03-17T16:58:00"
        productName="ERIC-IPWJRE"
        productNumber="93_CAX1053951"
        productRevision="R2B01"
```



```
        type="OTHER"
SwItem=ERIC-SS7CAF_EABss7041-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7041"
    productionDate="2015-12-11T05:12:00"
    productName="ERIC-SS7CAF_EABss7041"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-LmClientLibrary-CXP9022092_5-R1A28
  administrativeData
    description="ERIC-LmClientLibrary"
    productionDate="2015-11-20T03:28:00"
    productName="ERIC-LmClientLibrary"
    productNumber="CXP9022092_5"
    productRevision="R1A28"
    type="OTHER"
SwItem=ERIC-SS7CAF_EABss7072-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7072"
    productionDate="2015-12-11T06:28:00"
    productName="ERIC-SS7CAF_EABss7072"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-SS7CAF_EABss7055-ANA90137_4-R4A115
  administrativeData
    description="ERIC-SS7CAF_EABss7055"
    productionDate="2015-12-11T06:16:00"
    productName="ERIC-SS7CAF_EABss7055"
    productNumber="ANA90137_4"
    productRevision="R4A115"
    type="OTHER"
SwItem=ERIC-LmServer-CXP9022159_5-R1A28
  administrativeData
    description="ERIC-LmServer"
    productionDate="2015-11-20T03:28:00"
    productName="ERIC-LmServer"
    productNumber="CXP9022159_5"
    productRevision="R1A28"
    type="OTHER"
SwItem=ERIC-IPWASDNSMON-CXP9032081_1-R2B01
  administrativeData
    description="ERIC-IPWASDNSMON"
    productionDate="2016-03-17T17:05:00"
    productName="ERIC-IPWASDNSMON"
    productNumber="CXP9032081_1"
    productRevision="R2B01"
    type="OTHER"
SwItem=ERIC-sec-cert-agent-cxp9027891-2.0.0-06.sle12
  administrativeData
```




```

        description="ERIC-sec-cert-agent-cxp9027891"
        productionDate="2015-10-22T18:12:15"
        productName="ERIC-sec-cert-agent-cxp9027891"
        productNumber=""
        productRevision="2.0.0-06.sle12"
        type="OTHER"
SwItem=ERIC-IPWCMDNS-CT_IPWCMDNS-R2B01
    administrativeData
        description="ERIC-IPWCMDNS"
        productionDate="2016-03-17T17:05:00"
        productName="ERIC-IPWCMDNS"
        productNumber="CT_IPWCMDNS"
        productRevision="R2B01"
        type="OTHER"
SwItem=ERIC-IPWENUMFE-CXP9032286_1-R2B01
    administrativeData
        description="ERIC-IPWENUMFE"
        productionDate="2016-03-17T17:08:00"
        productName="ERIC-IPWENUMFE"
        productNumber="CXP9032286_1"
        productRevision="R2B01"
        type="OTHER"
SwItem=ERIC-SS7CAF_EABss7056-ANA90137_4-R4A115
    administrativeData
        description="ERIC-SS7CAF_EABss7056"
        productionDate="2015-12-11T06:17:00"
        productName="ERIC-SS7CAF_EABss7056"
        productNumber="ANA90137_4"
        productRevision="R4A115"
        type="OTHER"
SwItem=ERIC-IPWCLI-CXP9032084_1-R2B01
    administrativeData
        description="ERIC-IPWCLI"
        productionDate="2016-03-17T16:58:00"
        productName="ERIC-IPWCLI"
        productNumber="CXP9032084_1"
        productRevision="R2B01"
        type="OTHER"
SwItem=ERIC-IPWDNSSM-DNSSM-R2B01
    administrativeData
        description="ERIC-IPWDNSSM"
        productionDate="2016-03-17T17:05:00"
        productName="ERIC-IPWDNSSM"
        productNumber="DNSSM"
        productRevision="R2B01"
        type="OTHER"
SwItem=ERIC-IPWSS-CXP9032083_1-R2B01
    administrativeData
        description="ERIC-IPWSS"
        productionDate="2016-03-17T16:58:00"
        productName="ERIC-IPWSS"

```



```
        productNumber="CXP9032083_1"
        productRevision="R2B01"
        type="OTHER"
SwItem=ERIC-IPWBRFP-CXP9032085_1-R2B01
  administrativeData
    description="ERIC-IPWBRFP"
    productionDate="2016-03-17T16:58:00"
    productName="ERIC-IPWBRFP"
    productNumber="CXP9032085_1"
    productRevision="R2B01"
    type="OTHER"
SwItem=ERIC-IPWMySQL-29_CAX1053867-R2B01
  administrativeData
    description="ERIC-IPWMySQL"
    productionDate="2016-03-17T16:58:00"
    productName="ERIC-IPWMySQL"
    productNumber="29_CAX1053867"
    productRevision="R2B01"
    type="OTHER"
SwItem=ERIC-sec-cert-manager-cxp9027891-2.0.0-06.sle12
  administrativeData
    description="ERIC-sec-cert-manager-cxp9027891"
    productionDate="2015-10-22T18:12:15"
    productName="ERIC-sec-cert-manager-cxp9027891"
    productNumber=""
    productRevision="2.0.0-06.sle12"
    type="OTHER"
SwItem=ERIC-IPWCMENUM-CT_IPWCMENUM-R2B01
  administrativeData
    description="ERIC-IPWCMENUM"
    productionDate="2016-03-17T17:08:00"
    productName="ERIC-IPWCMENUM"
    productNumber="CT_IPWCMENUM"
    productRevision="R2B01"
    type="OTHER"
SwItem=ERIC-sec-la-oi-cxp9026994-2.0.0-13.sle12
  administrativeData
    description="ERIC-sec-la-oi-cxp9026994"
    productionDate="2015-12-01T21:55:04"
    productName="ERIC-sec-la-oi-cxp9026994"
    productNumber=""
    productRevision="2.0.0-13.sle12"
    type="OTHER"
SwItem=ERIC-IPWENUM-CXP9031763_1-R2B01
  administrativeData
    description="ERIC-IPWENUM"
    productionDate="2016-03-17T17:08:00"
    productName="ERIC-IPWENUM"
    productNumber="CXP9031763_1"
    productRevision="R2B01"
    type="OTHER"
```



```

SwItem=ERIC-IPWSM-CXP9032082_1-R2B01
  administrativeData
    description="ERIC-IPWSM"
    productionDate="2016-03-17T17:05:00"
    productName="ERIC-IPWSM"
    productNumber="CXP9032082_1"
    productRevision="R2B01"
    type="OTHER"
SwVersion=ERIC-COREMW_RUNTIME-CXP9020355_2-R1C01
  consistsOf
    "ManagedElement=<Node Name>,SystemFunctions=1,SwInventory=1,⇒
SwItem=ERIC-COREMW_SC-CXP9017565_2-R1C01"
    "ManagedElement=<Node Name>,SystemFunctions=1,SwInventory=1,⇒
SwItem=ERIC-COREMW_OPENSAT-CXP9017656_2-R1C01"
    "ManagedElement=<Node Name>,SystemFunctions=1,SwInventory=1,⇒
SwItem=ERIC-COREMW_COMMON-CXP9017566_2-R1C01"
  timeOfActivation="2016-03-17T16:25:57"
  timeOfInstallation="2016-03-17T16:25:57"
  administrativeData
    description="ERIC-COREMW_RUNTIME"
    productionDate="2016-03-17T16:25:57"
    productName="ERIC-COREMW_RUNTIME"
    productNumber="CXP9020355_2"
    productRevision="R1C01"
    type="MW"

```

2.3 Checking Software Information via CMW Command

To check software release version:

1. Log on to the SC.

```
# ssh <username>@<SC IP address>
```

2. Check the versions of IPWorks software components, for example:

```
SC-1:~ # cmw-repository-list
```

The following example output shows the IPWorks software version together with information about if the software is used or not.

```

ERIC-COM_DEBUGINFO-CXP9028493_1-R1B02 NotUsed
ERIC-Brf-CXP9018859_2-R1A008 Used
ERIC-BrfCmwA-CXP9018859_2-R1A008 Used
ERIC-BrfEia-CXP9024651_2-R1A008 Used
ERIC-Brfp-CXP9018859_2-R1A008 Used
ERIC-COM-CXP9028493_1-R1B02 Used
ERIC-COM_LDAPSM-CXP9028493_1-R1B02 Used
ERIC-COM_LDAPSM_DEBUGINFO-CXP9028493_1-R1B02 NotUsed
ERIC-COREMW_COMMON-CXP9017566_2-R1C01 Used

```



ERIC-COREMW_OPENSF-CXP9017656_2-R1C01 Used
ERIC-COREMW_SC-CXP9017565_2-R1C01 Used
ERIC-EVIP-CXP9017652_3-R1B04 Used
ERIC-IPWASDNSMON-CXP9032081_1-R2B01 Used
ERIC-IPWASDNSSM-ASDNSSM-R2B01 Used
ERIC-IPWBRFP-CXP9032085_1-R2B01 Used
ERIC-IPWCLI-CXP9032084_1-R2B01 Used
ERIC-IPWCMDNS-CT_IPWCMDNS-R2B01 Used
ERIC-IPWCENUM-CT_IPWCENUM-R2B01 Used
ERIC-IPWCOMMON-CXP9032086_1-R2B01 Used
ERIC-IPWDNS-CXP9032080_1-R2B01 Used
ERIC-IPWDNSSM-DNSSM-R2B01 Used
ERIC-IPWENUM-CXP9031763_1-R2B01 Used
ERIC-IPWENUMFE-CXP9032286_1-R2B01 Used
ERIC-IPWJRE-93_CAX1053951-R2B01 Used
ERIC-IPWMYSQL-29_CAX1053867-R2B01 Used
ERIC-IPWSS-CXP9032082_1-R2B01 Used
ERIC-IPWSS-CXP9032083_1-R2B01 Used
ERIC-IPWSYSLOG-CXP9032689_1-R1B01 Used
ERIC-LINUX_CONTROL-CXP9013151_4-R1D03 Used
ERIC-LINUX_PAYLOAD-CXP9013152_4-R1D03 Used
ERIC-LmClientLibrary-CXP9022092_5-R1A28 Used
ERIC-LmSa-CXP9021377_2-R1A06 Used
ERIC-SS7CAF_EABss7038-ANA90137_4-R4A115 Used
ERIC-LmServer-CXP9022159_5-R1A28 Used
ERIC-SS7CAF_EABss7039-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7041-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7044-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7049-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7050-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7052-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7053-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7055-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7056-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7057-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7058-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7059-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7060-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7069-ANA90137_4-R4A115 Used
ERIC-SS7CAF_EABss7072-ANA90137_4-R4A115 Used
ERIC-javaoam-core-cxp9030376-2.0.0-186 Used
ERIC-lde-brf-script-cxp9021148-2.1.0-2 Used
ERIC-sec-acscxp9026450-2.0.0-12.sle12 Used
ERIC-sec-cert-agent-cxp9027891-2.0.0-06.sle12 Used
ERIC-sec-cert-manager-cxp9027891-2.0.0-06.sle12 Used
ERIC-sec-crypto-cxp9027895-2.0.0-06.sle12 Used
ERIC-sec-la-ldap-cxp9026994-2.0.0-13.sle12 Used
ERIC-sec-la-oi-cxp9026994-2.0.0-13.sle12 Used
ERIC-sec-la-sm-cxp9026994-2.0.0-13.sle12 Used



2.4 Checking Emergency Package Version

After an Emergency Package (EP) has been installed on the IPWorks system, the operator need to verify the EP software:

1. Log on to the SC.

```
# ssh <username>@<SC IP address>
```

2. Verify the EP software, for example:

```
SC-1:~ # cmw-repository-list |grep IPW
```

An example fetched from the output is shown as below:

```
ERIC-IPWDNS-CXP9032080_1-R1B01EP01 Used  
ERIC-IPWDNS-CXP9032080_1-R1B01 NotUsed
```

This example shows that the DNS EP01 is installed successfully, and the new package replaces the old package.

Note: The characters EP<revision> will be appended to the package revision number after a new EP is installed.