HP Trueview 2.0 Release Notes

Table of Contents

1. Table of Contents

2. About This Document

2.1. Purpose and Scope

The purpose of these Release Notes is to describe updates made in the **Trueview** 2.0 application.

3. What's New?

- Projects & Project Management

  New Project entity and functionality provides capability to manage projects. Projects provide Tasks with task status, date calculations and GANTT view; linkage to inventory components related to the Project; Job Aid information; Project History. Task templates may be defined for specific task types that will populate Tasks, Job Aid etc. when a Project of that type is created. A Task List is provided to allow users to identify tasks that are 'Ready to Start'.

- Equipment Card Versioning

  Multiple Cards may be placed into an equipment slot to support planning activities. Each Card has an operational status, only one Card may be 'In Service'. In Service cards may be swapped with cards not in service if all facilities/links can be transferred. Facilities/Links that are not in service can be terminated on ports/interfaces on card that is not 'in service'.

- Physical Connection Management

  A Physical Connection entity has been added to allow tracking of physical connectivity between equipment and equipment ports (e.g. for PON connectivity). Connection types (e.g. copper, fibre) can be defined with specific custom attributes for each type. One or more physical connections may be terminated on an NE or port.

- Telephone Number Management

  Customer Telephone Numbers and their assignment can now be managed within the product. Telephone number pools may be defined with a specific number format and multiple number ranges. Phone numbers can be reserved, unreserved, assigned, unassigned or ported out. Number aging is provide when a number is unassigned. Porting In external numbers is also supported.

- Views

  Views have been enhanced to support Google map display of items that appear in the logical view (if locations are defined). Views may now also include Physical Connections and Multipoint

Services (e.g. ELAN, IPVPN). The end nodes of a multipoint service are 'tied' together graphically. Specific functionality is also provided to add physical connections using a multi-level trace function from a node or port.

- CoS/Bandwidth Profile Assignment to IPVPN

  A Class of Service (CoS) and Bandwidth profile may now be assigned to an IPVPN service. If the IP access links for the VPN are assigned to an Ethernet Link, the specified bandwidth profile will be applied to the capacity of the link.

- Report Output Selection (PDF, Excel, HTML)

  The output format of a report (PDF, Excel or HTML) may be selected when a report is requested rather than being defined in the report. A default format may be specified for each specific report type.

- Equipment Card Reconciliation Enhancements

  When Network Element reconciliation is performed, if a discovered card is different than the 'in service' card that is in the equipment slot, the discovered card is added to the slot as being 'In Sync' and 'out of service'. If reconciliation is performed in Update mode the Card will be placed 'In Service' if possible.

  A dedicated Card Reconciliation project is provided to track the card reconciliation for the user. When a card discovered in the network does not match the card in the inventory in Report or Create mode, or it cannot be placed In Service in Update mode, it is added to the Card Reconciliation project as a Component with an action of 'Put In Service'. A user may view the contents of the project to identify these discrepancies and use the action to place the card in service or perform manual corrections if necessary.

4. Resolved Issues

The following customer-reported issues and enhancement requests have been resolved in this release:

ISSUE ID	PROBLEM DESCRIPTION
CNP-476	Create option to select Report output type (PDF/Excel/HTML) at run time
CNP-301	Non-unique FW4100 STS1 Alarm AID

5. Product Delivery

Product components for Trueview 2.0 are distributed electronically or on CD.

5.1. Configuration Items

The following table lists the major Trueview 2.0 product components delivered in this release with the appropriate checksums. The files are grouped by folder as they appear on the distribution CD.

CD Distribution	
Release Build Version: 1894.20130523.010131	
FILENAME	**CHECKSUM**
release\distrib	
tnp.war	b31a07e7110363dacc9535c9338a734d
tnp-ws.war	e4e5a593d59bccde5b98188de0583cbf
release\lib	
bcprov-jdk15-145.jar	2062f8e3d15748443ea60a94b266371c
jsr181-api.jar	885a3ad96d314881cffb7191b4a27d71
truecontrol-client.jar	5ca3c28256900219f987ddf5a568eeed
orai18n-11.0.jar	2a2deadd6b07114dd03e0b131a4ec63e
postgresql-9.1-901.jdbc4.jar	c07187b9ac3294be59e05eeac588cff2
iijdbc.jar	8238d01b139eaac6590074eb4a3d0680
liquibase-1.9.5.1.jar	439bcb6f7c0222ef1d59c8b2694de8ae
tnp.interface.jar	c50ebb5a250324f0983a829d40ad3242

6. Installation

Installation and configuration of the Trueview 2.0 product components are described in the documentation provided during deployment.

6.1. Hardware Requirements

No new hardware requirements are specified for installation of this product release.

6.2. Software Requirements

NETPortal™ 9.1 has been certified for operation in the following environment:

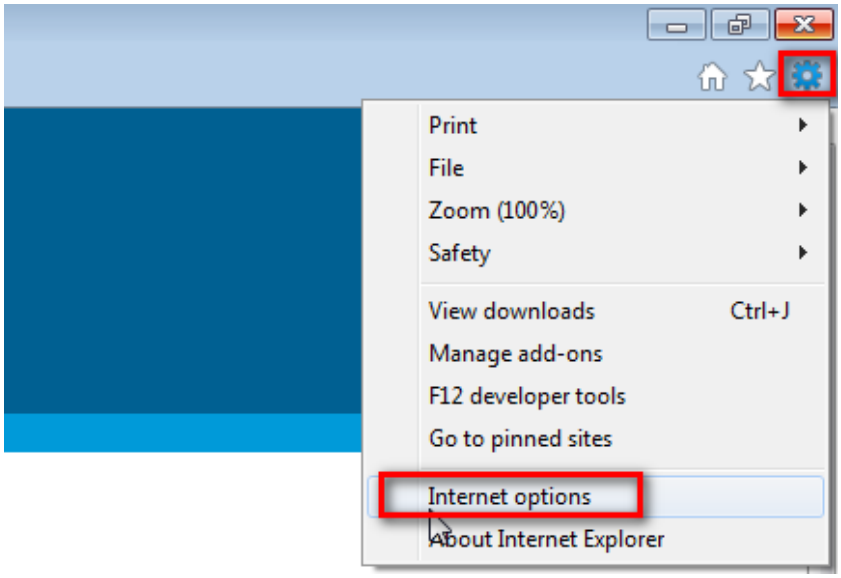
- Operating System: Sun Solaris 10, HPUX 11i, Red Hat Enterprise Linux 5.7
- Web servers: WebLogic 10.3.4 and JBOSS 5.1.1
- Databases: Oracle 11R2 and Postgres 9.1
- Browsers: Internet Explorer 9, Firefox 14

NOTE: Ensure that all data is backed up before performing any application upgrades.

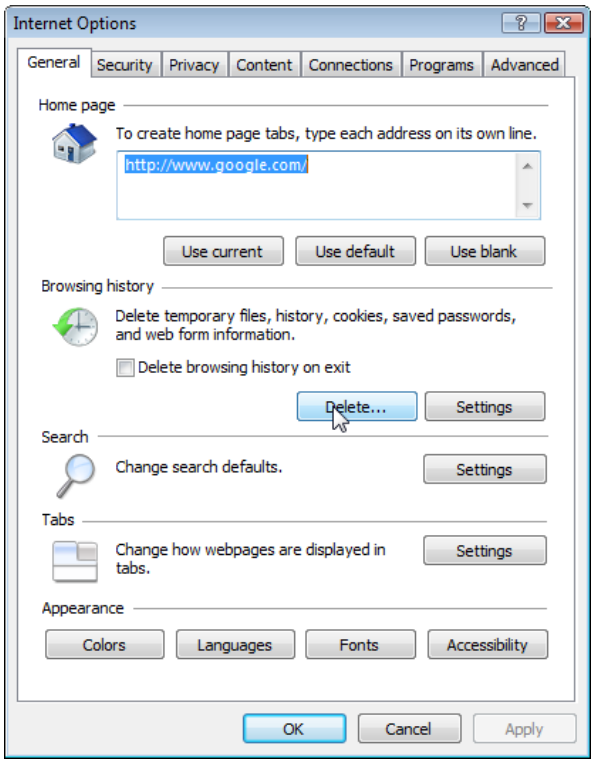
6.3. Clearing Browser Cookies

Trueview 2.0 may be installed with customized branding to include the logos, user interface colors or custom browser title for a specific customer. If the customized branding does not appear on the login screen, the browser cookies or cache must be cleared. Please follow the steps below to clear browser cookies.

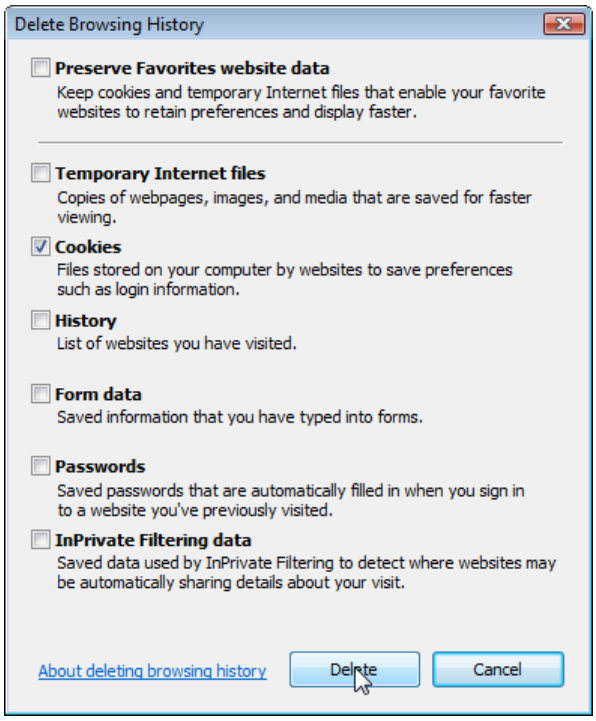
- If you are using the Internet Explorer (IE) 9 browser:
  1. In the top right corner of the screen, click on the  button and select **Internet options** (see figure below).



  2. In the “Internet Options” window, make sure that the **General** tab is selected.
  3. In the “Browsing history” section of the **General** tab, click on the **Delete…** button.



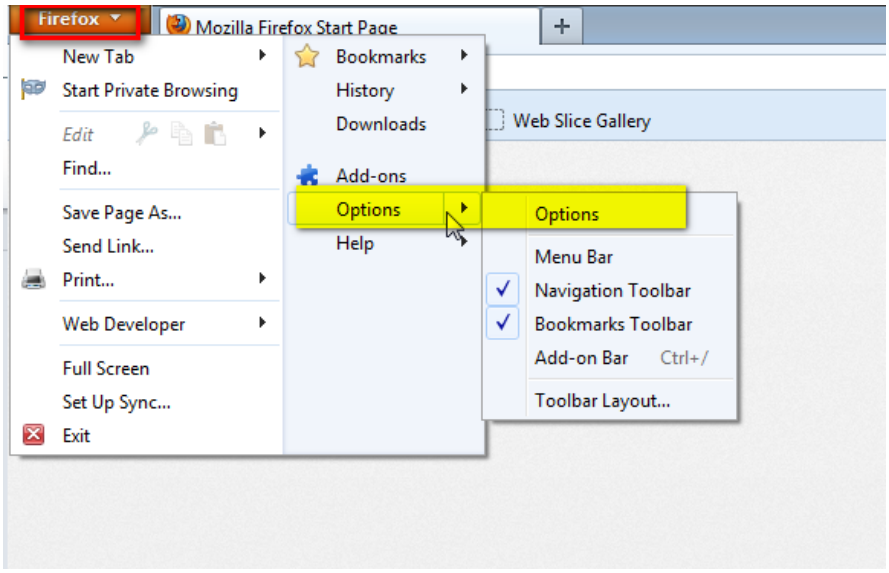
4. In the “Delete Browsing History” window, verify that the “Cookies” option is checked and click the **Delete** button.



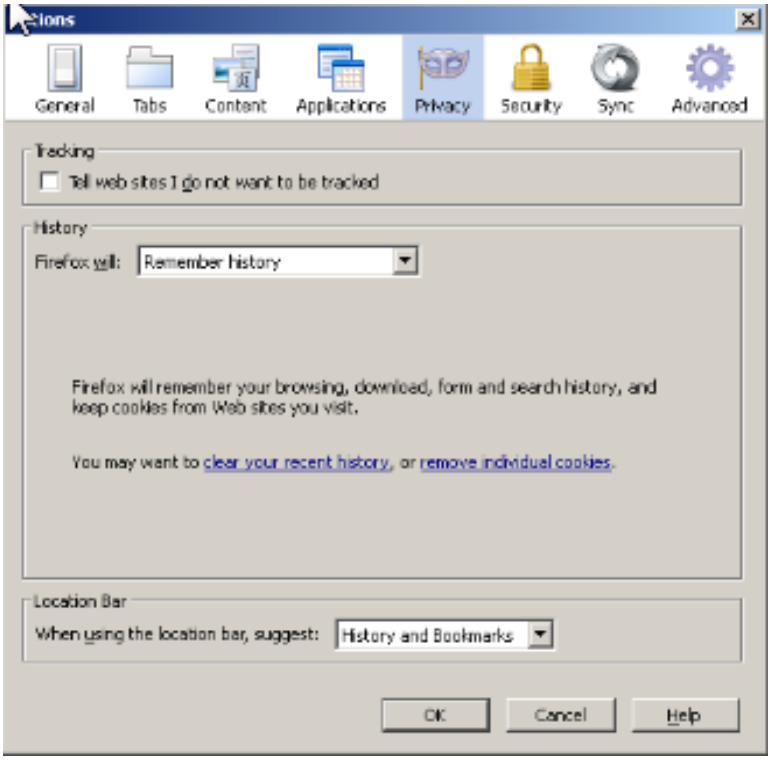
5. Click **OK** on the “Internet Options” window to close it.

- If you are using the Firefox browser, version 14:

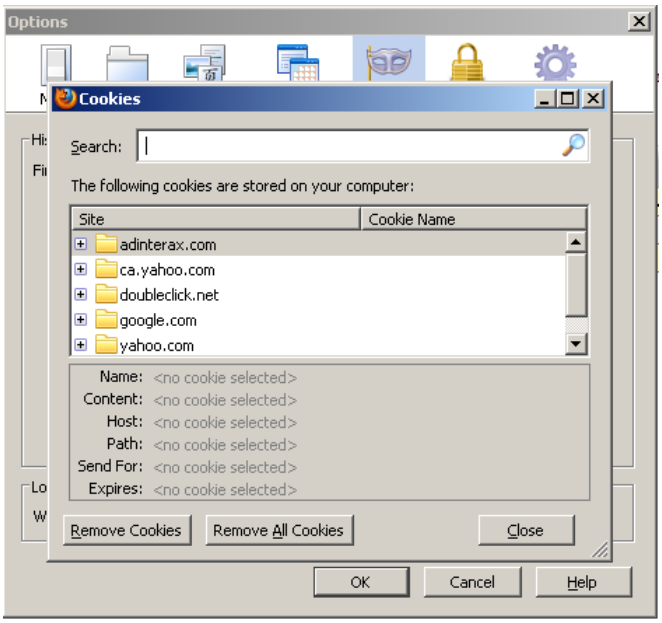
1. In the Firefox menu, Select **Options→ Options**.



2. Then select **Privacy** at the top of the “Options” window.



3. In the History section, click on '**remove individual cookies**.'
4. In the "Cookies" pop-up window, click on the button labelled **Remove All Cookies**.



5. Click the **Close** button to exit the window.

7. Configuration Changes

In order to upgrade a custom style-sheet for the 2.0 release, please copy the following styles and paste them at the bottom of the custom CSS file.

```
/*GWT DateBox and DatePicker*/
.gwt-DatePicker {
  border: 1px solid #ccc;
  border-top:1px solid #999;
  cursor: default;
}

.gwt-DatePicker td,
.datePickerMonthSelector td:focus {
  outline: none;
}

.datePickerMonthSelector td:focus {
  outline: none;
}

.datePickerDays {
  width: 100%;
  background: white;
}

.datePickerDay,
.datePickerWeekdayLabel,
.datePickerWeekendLabel {
  font-size: 85%;
  text-align: center;
  padding: 4px;
  outline: none;
  font-weight:bold;
  color:#333;
  border-right: 1px solid #EDEDED;
  border-bottom: 1px solid #EDEDED;
}

.datePickerWeekdayLabel,
.datePickerWeekendLabel {
  background: #fff;
  padding: 0px 4px 2px;
  cursor: default;
  color:#666;
  font-size:70%;
  font-weight:normal;
}
```

```
.datePickerDay {
  padding: 4px 7px;
  cursor: hand;
  cursor: pointer;
}

.datePickerDayIsWeekend {
  background: #f7f7f7;
}

.datePickerDayIsFiller {
  color: #999;
  font-weight:normal;
}

.datePickerDayIsValue {
  background: #d7dfe8;
}

.datePickerDayIsDisabled {
  color: #AAAAAA;
  font-style: italic;
}

.datePickerDayIsHighlighted {
  background: #F0E68C;
}

.datePickerDayIsValueAndHighlighted {
  background: #d7dfe8;
}

.datePickerDayIsToday {
  padding: 3px;
  color: #fff;
  background: url(../hborder.png) repeat-x 0px -2607px;
}

.datePickerMonthSelector {
  width: 100%;
  padding: 1px 0 5px 0;
  background: #fff;
}

.datePickerPreviousButton,
.datePickerNextButton {
  font-size: 120%;
  line-height: 1em;
  color: #3a6aad;
  cursor: hand;
  cursor: pointer;
  font-weight: bold;
```

```
  padding: 0px 4px;
  outline: none;
}

td.datePickerMonth {
  text-align: center;
  vertical-align: middle;
  white-space: nowrap;
  font-size: 100%;
  font-weight: bold;
  color: #333;
}

.gwt-DateBox {
  /*padding: 5px 4px;
  font-size: 100%;*/
  border: 1px solid #ccc;
  border-top: 1px solid #999;
}

.gwt-DateBox input {
  width: 8em;
}

.dateBoxFormatError {
  background: #ffcccc;
}

.dateBoxPopup {
}
/*END GWT DateBox and DatePicker*/
```

8. Adapter Interface Changes

The following Adapter Function Handler methods have changed in 2.0:

8.1.1.1. GET_EQPT_ADDRESS_BY_SLOT_AID

Function Handler Type	GET_EQPT_ADDRESS_BY_SLOT_AID
Java Interface	Interface to implement: com.tieroneoss.TNP.core.definition.ne.functionhandlers.ITR1GetEquipmentAddress Function to implement: public TR1EquipmentAddress getEquipmentAddressBySlotAID(String aid, TR1NetworkElementInterface networkElement, String cardType); Parameter Description: aid – the card AID or slot AID networkElement – the instance of the network element, providing access to the current physical configuration of the network element. cardType – card type of the card installed in the slot in question. Return the equipment address for the card with the given AID.
Description	TNP invokes this function handler to get the equipment address of a card based on its AID and card type. This function is only invoked if adapter does not return the equipment address for a card for the adapter operation UPLOAD_EQUIPMENT. Below shows how the slot/card AID and the equipment address are returned in the upload response XML. For each card whose slot address is missing in the response XML, this function handler will be invoked. The slot address could be missing in the response XML because it is possible that it cannot be determined at that time. Using this function handler, the developer gets access to the network element interface which should contain all the information required to determine the slot address. <discovered-card> <slotAid><slotAid> <slotAddress></slotAddress> ... </discovered-card> The equipment address must match the physical layout defined in the template.

8.1.1.2. GET_CARD_AID

Function Handler Type	GET_CARD_AID
Java Interface	Interface to implement: com.tieroneoss.ensemble.core.definition.ne.functionhandlers.ITR1GetCardAid Function to implement: public String getCardAID(TR1EquipmentAddress slotAddress, TR1SlotTemplate slotTemplate TR1NetworkElementInterface networkElement, TR1EquipmentInterface equipment); Parameter Description: slotAddress – the equipment address of the first slot that the card occupies slotTemplate – provide information defined on the template for that slot networkElement – the instance of the network element, providing access to the current physical configuration of the network element. equipment – the instance of the card Return the card AID for the card occupying the given equipment address.
Description	TNP invokes this function handler to get the AID of the card. If card AID is not relevant for a particular device, the adapter should not implement this function handler. This function could be invoked during upload for each card where the `<slotAid>` was not returned in the response XML. This function could also be invoked whenever the AID of the card is required.
Mandatory	Mandatory only if card AID is relevant for this type of network element.

8.1.1.3. GET_PORT_AID

Function Handler Type	GET_PORT_AID
Java Interface	Interface to implement: com.tieroneoss.TNP.core.definition.ne.functionhandlers.ITR1GetPortAid Function to implement: public String getPortAID(TR1EquipmentAddress portAddress, TR1SignalTemplate st, TR1NetworkElementInterface networkElement TR1EquipmentInterface equipment);); Parameter Description: portAddress – the equipment address of the port, must match the physical layout defined in the network element template. st – the object representing the <signal> template defined in the network element template for this port. networkElement – the instance of the network element, providing access to the current physical configuration of the network element. equipment – the instance of the card Return the port AID for the port at the given port address.
Description	TNP invokes this function handler to get the port AID. This function is only invoked when a port is being created and the port AID is unknown. A port is being created when its card is being created, ex. adding a card from UI, adding a card being uploaded. The port AID is unknown if the template did not specify the port AID in the <port> template for each supported.
Mandatory	Mandatory if the upload adapter does not return the port AID and the network element template contains port templates where the port AID is not specified or cannot be determined statically in the template.

9. Verification of signed binary

HP products deliver on our ‘trustworthy and reliable’ brand promise. Creating and delivering an electronic cryptographic "signature" for HP code will give our customers an industry standard method to verify the integrity and authenticity of the code they received from HP before deployment.

The verification of the signed binary will be done by using GnuPG.

For RHEL (Red Hat Enterprise Linux) the GnuPgG is installed by default.
You can check check the “gnupg” rpm package is installed with the following command line:

rpm -qa "gnupg"*

If it is not installed, you can install it from your RHEL media via rpm or yum command.

To verify the signed code, you can use the following command:

gpg --verify <.sig file obtained from HPCSS> <input file>.*

The output should be as shown similar to one given bellow.

---

gpg: Signature made Wed Nov 17 12:32:46 2010 IST using DSA key ID 2689B887

gpg: Good signature from "Hewlett-Packard Company (HP Codesigning Service)"

gpg: WARNING: This key is not certified with a trusted signature!

gpg: There is no indication that the signature belongs to the owner.

Primary key fingerprint: FB41 0E68 CEDF 95D0 6681 1E95 527B C53A 2689 B887

NOTE: message “Good signature from “Hewlett-Packard Company (HP Codesigning Service)” “indicates the code sign verification is successful.