JDisc Discovery 5.0

Security Add-On

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1 Introduction

JDisc Discovery's Security Add-On extends JDisc Discovery's discovery with network share discovery and access permission related features:

1. Discovery of Network Shares
   - Windows computers - the discovery queries all share permissions and maps them to local / global user and user groups.
   - Unix/Linux computers running SAMBA
2. Displaying Effective Access Permissions
   Specialized reports display all users that can access a network share either through direct access permissions on the share or indirectly by user group membership.

2 Share Permissions

The JDisc Discovery Security Add-On discovers all network shares of Windows and Unix/Linux computers. For Windows computers the discovery queries all access permissions and maps them to local/global users and user groups.

2.1 Configuration

To discover network shares and share permissions on Windows computers, JDisc Discovery requires administrative WMI or SMB protocol access.

Enable or disable the "Discover share" option in the *Data Collection* | *Standard* tab of the discovery configuration dialog.

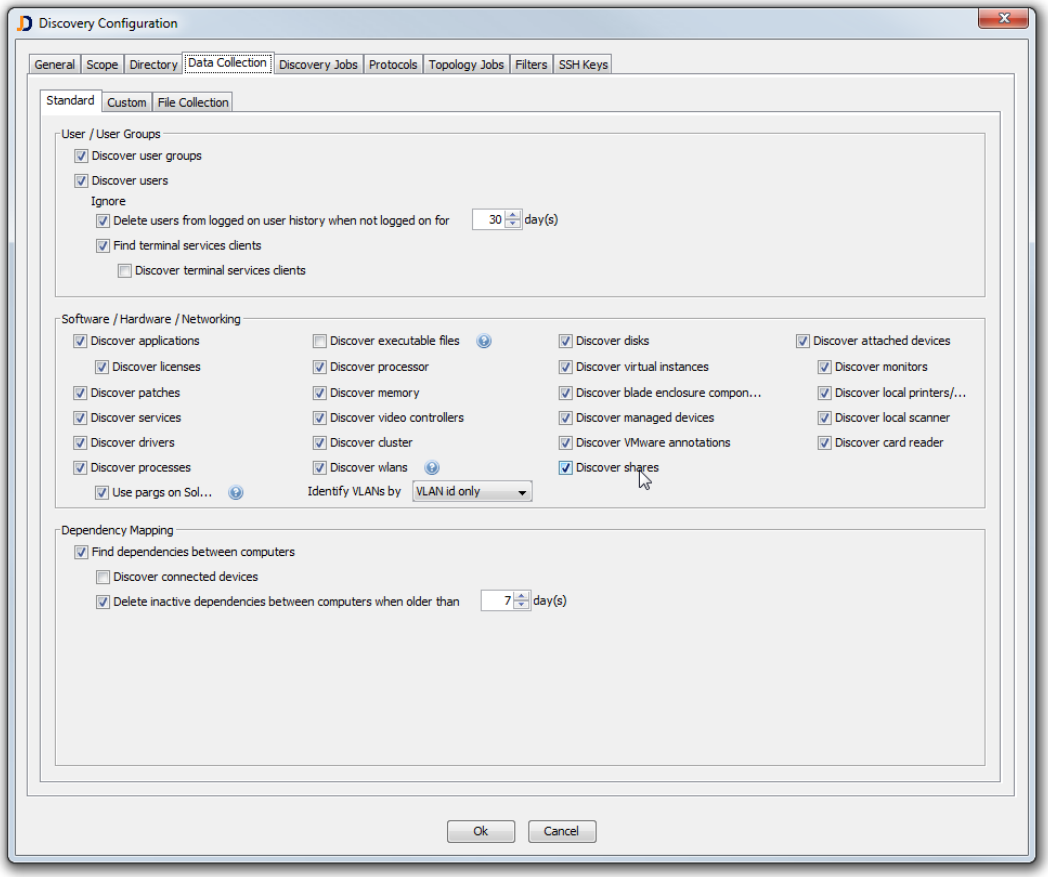

Figure: Enable/Disable Share Discovery

2.2 Shares Per Computer

The Device Details dialog displays network shares in the *Networking* |*Shares* tab. The Shares tab displays all network shares including the share permissions.

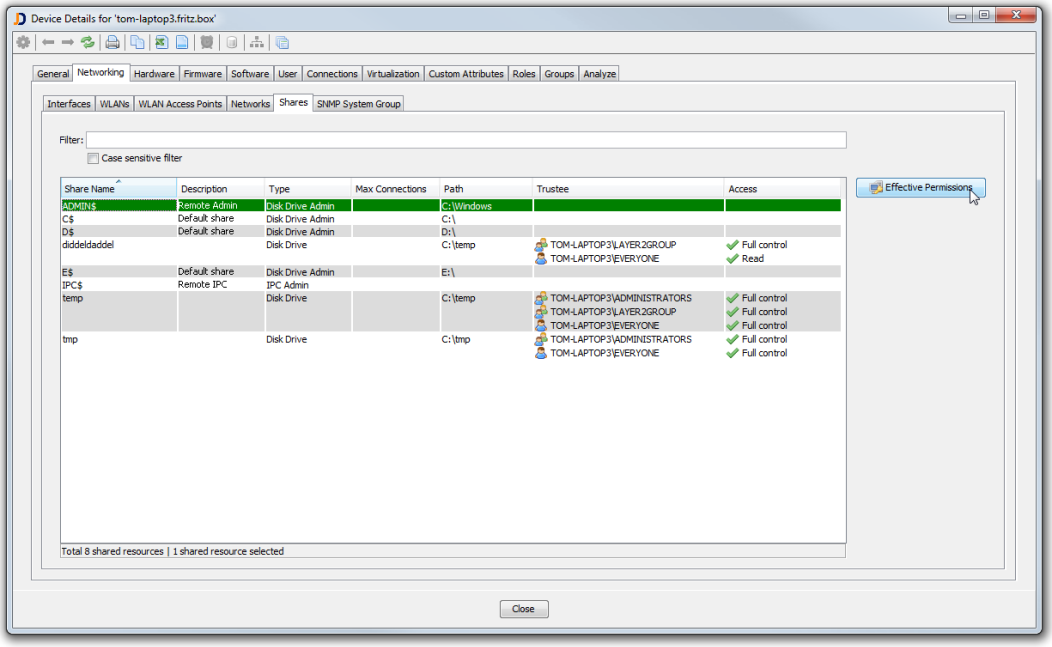

Figure: Network Shares per Computer

The *Effective Permissions* button displays all users that can access the selected share.

Access permissions can be granted either directly on the share or indirectly by user group membership.

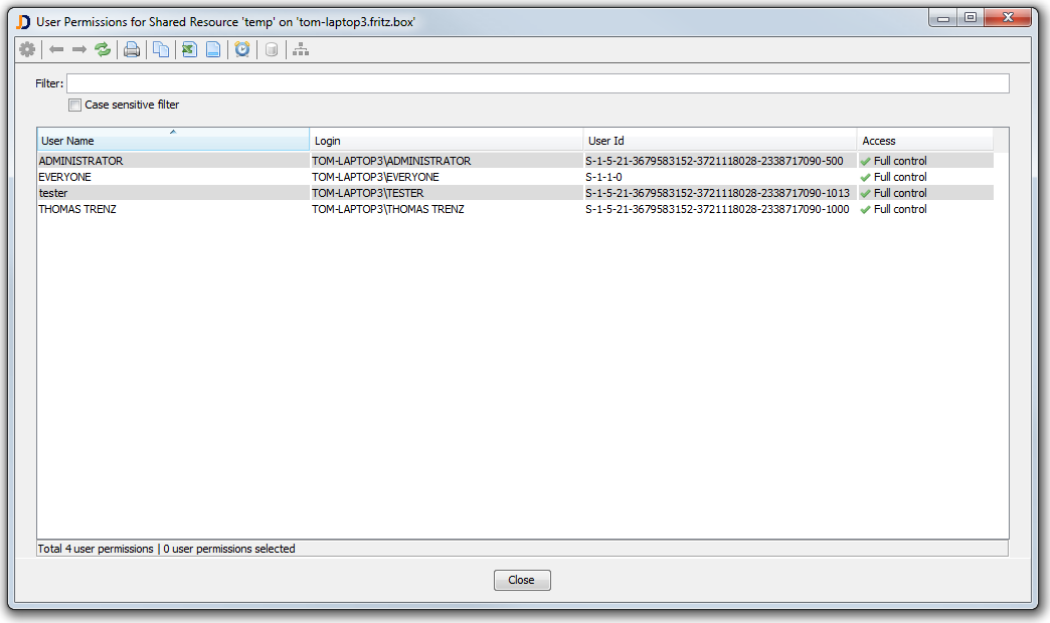

Figure: User Permissions per Shared Resource

2.3 Displaying All Shares

Open the *Shares* report from the *Networking* menu to display all devices and networks shares including their access permissions.

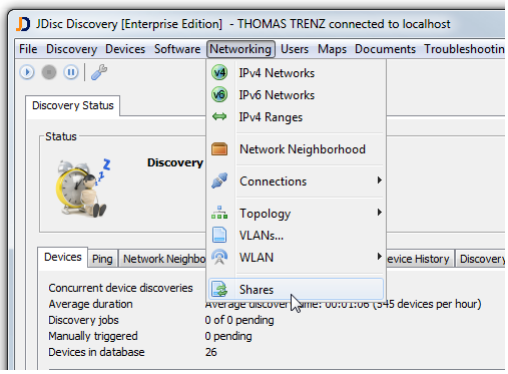

Figure: Global Shares Report

To display also administrative shares, check the "Include administrative shares" in the report's filter panel.

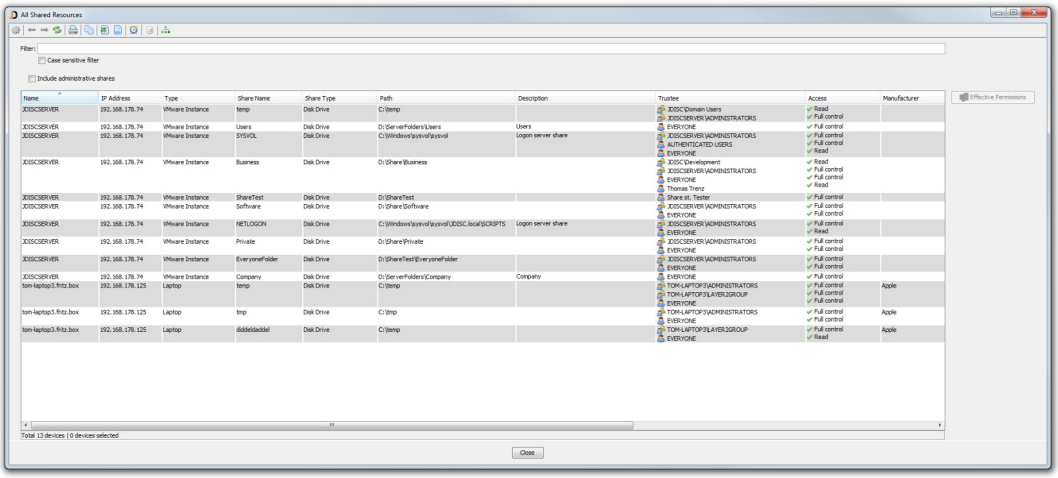

Figure: All Shared Resources

To display all *administrative shares, check the "Include administrative shares" check-box*.

2.4 Shared Resources Per User

JDisc Discovery can display all network shares which the selected user has access to. Select the *Effective Permissions* context menu item or button to display all network shares that can be accessed by the selected user.

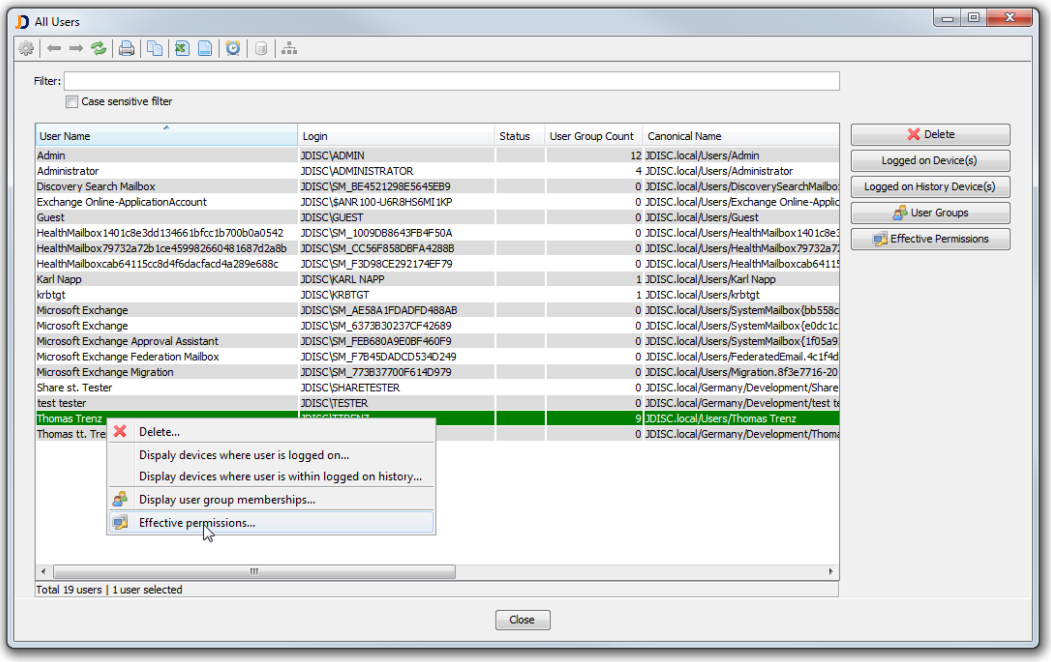

Figure: Display network shares per user

The *Effective Permissions* menu item opens a new report that displays all network shares that are accessible for the selected user.

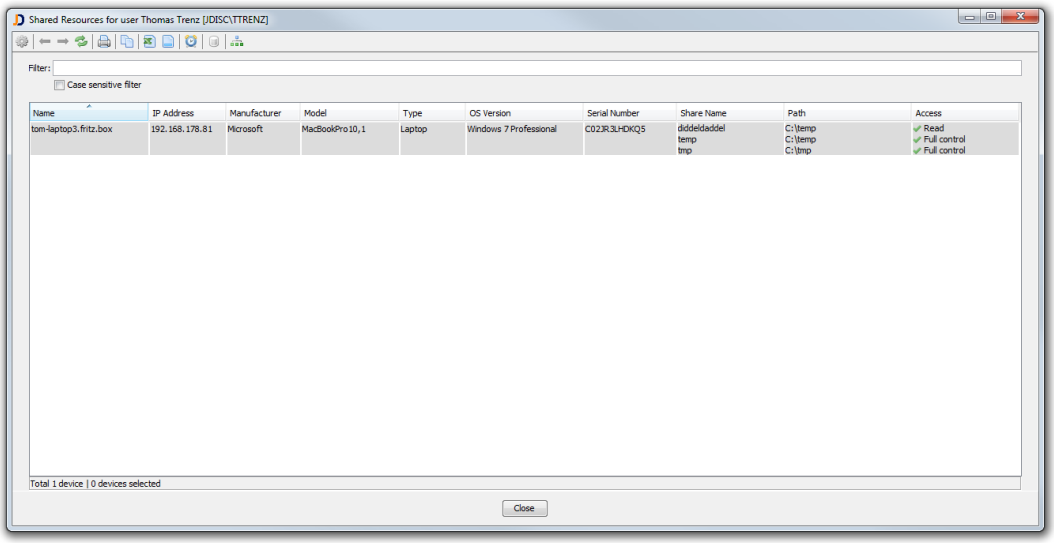

Figure: Accessible networks shares per user

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- This product includes icons from 'FAMFAMFAM' icon gallery 'SILK' (http://www.famfamfam.com/lab/icons/silk).
- This product includes Kai Toedter's 'Jcalendar' (http://www.toedter.com/en/jcalendar/index.html).
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- This product includes the COLT numeric library (http://acs.lbl.gov/~hoschek/colt).
- This product uses the Postgres database (http://www.postgresql.org).
- This product uses SNMP4J (http://www.snmp4j.org).
- This product uses the Ganymed SSH library (http://www.ganymed.ethz.ch/ssh2).
- This product uses the drools rule engine (http://jboss.org/drools).
- This product uses the janino compiler (http://www.janino.net).
- This product uses Jyhton (http://www.jython.org/Project).
- The product calls the dmidecode binary (http://www.nongnu.org/dmidecode).
  Find the source code in the 'sources' directory.
- This product uses icons from 'Crystal Clear' (http://commons.wikimedia.org/wiki/Crystal_Clear).
- This product uses the 'PUTTY' ssh client.
- This product uses the dom4j library (http://dom4j.sourceforge.net/dom4j-1.6.1).

- This product uses the Jaxen library (http://jaxen.org/)
- This product uses the Jcalendar library (http://toedter.com/jcalendar/).
- This product uses the Jdom library (http://www.jdom.org/).
- This product uses the saxpath library (http://www.saxpath.org/).
- This product uses the miglayout library (http://www.miglayout.com/).
- This product uses the taskdialog library (https://code.google.com/p/oxbow/).
- This product uses the vijava library (http://vijava.sourceforge.net/).
- This product uses the dnsjava library (http://www.dnsjava.org/).
- This product uses the trove library (http://trove.starlight-systems.com/).