

Abstract

BESSY II has been in operation for more than eight years. BESSY's new projects and facilities require an increasing amount of attention, maintaining the BESSY II control system's with less effort has become an important task. A set of non-commercial tools has been selected, which are used to detect and track errors, support system administration, and allow an efficient analysis and maintenance of the control system.

Reverse Engineering: IRMIS

The screenshot shows the IRMIS interface with a search for 'Q3PTR' and a list of results including 'Q3PTR:disoff', 'Q3PTR:mux0', and 'Q3PTR:rdkb'. The 'PV Info' section shows details for 'Q3PTR:rdkb' with fields like 'NAME', 'DESC', 'PINI', 'DTYPE', 'OUT', 'PREC', 'LINR', and 'EGU'.

Console Access: Screen and Conserver

The terminal shows a user logging in as 'tsca' and running 'ioc1oc1sig'. The output displays system status including 'DISV: 1', 'STAT: NO_ALARM', and 'VAL: 47.4221461187215'.

Network Monitoring: Nedi and Cacti

The screenshot shows the Nagios web interface with several traffic and error graphs for hosts like 'm-srh01' and 'm-srh18'. Below the graphs is a 'Node List' table with columns for Name, IP Address, Device, Interface, Vlan, First seen, and Last seen.

The screenshot shows the top of the BESSY website with a search bar and navigation links like 'Wiki', 'Timeline', 'Roadmap', 'View Tickets', 'New Ticket', 'Search', 'Admin', and 'Custom Query'.

The screenshot shows a ticket entry for 'conserver hängt immer mal wieder'. It includes fields for 'Reported by', 'Priority', 'Keywords', and 'Facility'. The description mentions a connection refused error.

The screenshot shows a table of active tickets with columns for 'Ticket', 'Summary', 'Component', 'Facility', 'Type', 'Owner', and 'Created'. Tickets are color-coded by priority.

The screenshot shows a 'Change History' table with columns for 'Used By', 'Field', 'Type', and 'With Field Value'. It lists recent changes to the system configuration.

Problem Reporting: Trac and Mailman

The screenshot shows the Trac interface with a search bar and a list of tickets. The list includes columns for 'Ticket', 'Summary', 'Component', 'Facility', 'Type', 'Owner', and 'Created'.

Ticket	Summary	Component	Facility	Type	Owner	Created
#147	Ausfall Ring HF	MLS	HF_Sender	defect	HW_HF_Sender	07/29/07
#165	MLS PSI Lautsprecher Ansage	Miscellaneous	BESSY II	defect	Klaus.Buerkmann	09/16/07
#175	Aktuelle TuneFF-Tabellen sind nicht von den Konsolen aus erreichbar	OPI Configuration	BESSY II	defect	OPI_Configuration	10/03/07

opi-trac.trs.bessy.de Mailing Lists

Welcome!
Below is a listing of all the public mailing lists on opi-trac.trs.bessy.de. Click on a list name to get more information about the list, or to subscribe, unsubscribe, and change the preferences on your subscription. To visit the general information page on an unadvertised list, open a URL similar to this one, but with a '/' and the list name appended.
List administrators, you can visit [the list admin overview page](#) to find the management interface for your list.
If you are having trouble using the lists, please contact mailman@opi-trac.trs.bessy.de.

List	Description
CA_Gateway_Grp	Trac-Verteiler: CA_Gateway
Control_System_Grp	Trac-Verteiler: Control System
Diagnostics_Grp	Trac-Verteiler: Diagnostics
HW_Cooling_Grp	Trac-Verteiler: HW_Cooling
HW_Cryo_Systems_Grp	Trac-Verteiler: HW_Cryo_Systems
HW_Feedback_Grp	Trac-Verteiler: HW_Feedback
HW_HF_Sender_Grp	Trac-Verteiler: HW_HF_Sender
HW_Insertion_Devices_Grp	Trac-Verteiler: HW_Insertion Devices
HW_Kicker_Septa_Grp	Trac-Verteiler: HW_Kicker_Septa
HW_Microtron_Grp	Trac-Verteiler: HW_Microtron
HW_Power_Supplies_Grp	Trac-Verteiler: HW_Power_Supplies
HW_Vacuum_Grp	Trac-Verteiler: HW_Vacuum
Miscellaneous_Grp	Trac-Verteiler: Miscellaneous
Network_Grp	Trac-Verteiler: Network
OPI_Configuration_Grp	Trac-Verteiler: OPI_Configuration
SW_Alarm_System_Grp	Trac-Verteiler: SW_Alarm_System

Host and Service Monitoring: Nagios

The screenshot shows the Nagios 'Service Status Details For Host' page for 'ioc_Example'. It displays a table of services with columns for 'Host', 'Service', 'Status', 'Last Check', 'Duration', 'Attempts', and 'Status Information'. A summary at the bottom indicates '1 service warning 27 critical services'.