

Axiros AXTRACT - Carrier Grade QoE Monitoring



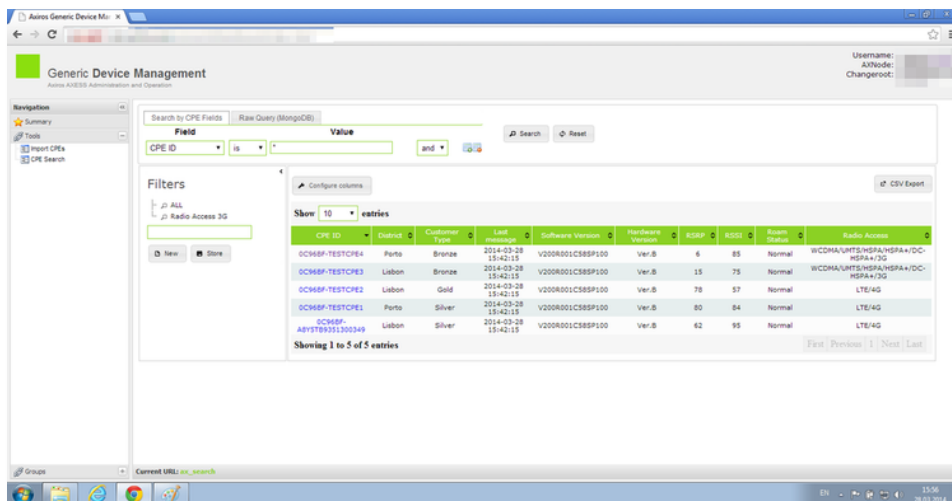
AXTRACT is a high-performing, fully transparent monitoring solution designed to gather high volume diagnostic data without the need to change a productive ACS.

Collect, Monitor, Diagnose And Analyze Your Customer's Experience!

As IP services become increasingly complex and pervasive, it is imperative for operators to be able to effectively measure and understand the Quality of Service and Quality of Experience associated with IP service delivery.

AXTRACT can significantly support troubleshooting processes by supplying a historical view and analysis of service quality, including changes of service-related parameters - ranging from user-selected device groups or categories to a single device.

AXTRACT additionally delivers near-real time information about service quality when other devices in the service delivery chain (e.g. RGW and STB) register an error.



The screenshot shows the 'Generic Device Management' interface. It includes a search bar for CPE fields, a filters sidebar, and a main table of device entries. The table columns are: CPE ID, District, Customer Type, Last Access, Software Version, Hardware Version, RSCP, RDT, RRM, and Radio Access. The table displays 5 entries, with the first one highlighted in green.

CPE ID	District	Customer Type	Last Access	Software Version	Hardware Version	RSCP	RDT	RRM	Radio Access
DC46P-TESTCPE4	Porto	Bronze	2014-03-28 15:42:15	V200R001CS8P100	Ver.B	6	85	Normal	WCDMA/UMTS/HSPA/HSPA+/DC-HSPA+/3G
DC46P-TESTCPE2	Labon	Bronze	2014-03-28 15:42:15	V200R001CS8P100	Ver.B	15	79	Normal	WCDMA/UMTS/HSPA/HSPA+/DC-HSPA+/3G
DC46P-TESTCPE2	Labon	Gold	2014-03-28 15:42:15	V200R001CS8P100	Ver.B	78	57	Normal	LTE/4G
DC46P-TESTCPE1	Porto	Silver	2014-03-28 15:42:15	V200R001CS8P100	Ver.B	80	84	Normal	LTE/4G
DC46P-ABY179351300349	Labon	Silver	2014-03-28 15:42:15	V200R001CS8P100	Ver.B	62	95	Normal	LTE/4G

Functionalities

- Multi-protocol Collectors (available for TR-069, snmp, http, IPDR, telnet, ssh, etc.)
- TR-069 collection is transparent to existing ACS
- Ready to use bundles for common cases: xDSL, LTE, DOCSIS
- Full flexibility to configure extra collection functions, calculated KPIs or reports
- Ability to export or stream collected data in different formats
- Alerting framework for Proactive Support and Alarming
- Specialized database infrastructure for scalable time series, current state representation and to deal with varying data models
- Fully compliant with diagnostic extensions like TR-143 and TR-157, to transform a device into a real active probe
- Flexible OSS/BSS integration mechanism for Metadata Injection (push and pull)
- Full horizontal scalability on all levels of data collection, processing and storage
- High Performance (thousands of inform messages/sec/server)
- Runs on commodity hardware / VMs to reduce cost
- No additional 3rd party software cost

