

Case Study

RedMax Web Management Suit



[Redline Communications](#) is the leading supplier of the world's most advanced, performance-driven, scalable, and reliable fixed and mobile wireless broadband access and backhaul solutions.

Redline's industry leadership and technology innovation are driven by strong management and development professionals with an unwavering commitment to achieving the highest standards of excellence in quality, service and support. This world-class team of managers and developers has extensive experience in the design and production of carrier-class wireless access and backhaul solutions.

Redline's customers depend on us for our proven expertise, industry knowledge and strategic partnerships that ensure successful network implementations. With over 50,000 installations in 80 countries across 6 continents, Redline's global distribution network of 100 partners support the voice, data and video services that are the key to generating new and profitable revenue streams for service providers and carriers.

Redline is a principal member of the WiMAX Forum™ and the first to market an 802.16 compliant product. Earlier this year, Redline became the first in the world to achieve the WiMAX Forum™ Certified mark for our complete WiMAX system – solidifying our position at the forefront of the WiMAX revolution.

Whether you're operating in a developed or emerging market, Redline's products enable the profitable delivery of wireless voice, data, and video services so you can capitalize on opportunities to roll-out the services and applications that drive your business forward.

Headquartered in Markham, Ontario, Canada, Redline has engineering and design centers in Romania and sales offices worldwide.

Our involvement

SoftAspects provided consultancy services for its product, [WebGalileo Faces™](#) , and technical advice regarding its integration with the RedMax Management Suite.

Redline's [RedMAX Management Suite](#) gives broadband network operators the ability to easily deploy, control, monitor and upgrade their Redline components network-wide through an intuitive, user-friendly GUI based on [WebGalileo Faces™](#). In addition, Redline's RMS acts as a gateway between the Redline network equipment and the NMS and OSS, enabling integrated service creation, alarm management, performance management and billing. The RedMAX Management Suite offers flexible and adaptive architecture to meet carriers' FCAPS requirements for the evolving 802.16 standards.

Achievements

- Redline Management Suite (RMS) became the management solution that gives broadband network operators the ability to easily deploy, control, monitor and upgrade their Redline components.
- The RMS acts as a gateway between the Redline equipment in the network and the NMS and OSS/BSS, enabling full automation in the system.

The screenshot displays the RedMaxEMS web interface. At the top, there are navigation tabs for 'Config', 'Provisioning', and 'Help', along with a language dropdown set to 'English' and a 'Go!' button. Below the navigation, there are utility buttons for 'Save', 'Refresh', 'Show All', 'logs', and 'Logout'. The session information 'admin@VIOLETA-CRETU' is visible in the top right.

The main content area is divided into several sections:

- Search:** Includes fields for IP Address and Subnet Address (with a 255.255.255.255 mask) and 'Search' and 'Cancel' buttons.
- Managed Elements:** Shows a tree view with 'Root' and 'an100'.
- Managed Elements:** A dropdown menu currently showing '192.168.11.3.161'. Below it are buttons for 'Create a service flow' and 'Create a classifier'.
- Service Flows & Classifiers:**
 - Create a classifier:** A dropdown menu showing '38728' and input fields for 'Priority' (0) and 'Protocol' (0).
 - Select a service flow:** A dropdown menu.
 - Form fields:** Input fields for 'TOS Low', 'TOS High', 'TOS Mask', 'Source IP Address', 'Dest IP Address', 'Source IP Mask', 'Dest IP Mask', 'Source Port Start', 'Dest Port Start', 'Source Port End', and 'TOS Mask'.
 - Add:** A button to add a new classifier.
- Service Flow Table:** A table listing existing service flows.

Stid	Subscriber MAC	Direction	ClassIndex	Sf State	ProvisionedTime	Cs Specification
25,943	00:ca:fe:ba:be:05	downstream	962	authorized	Wed Dec 31 19:00:36 EST 1969	packetipV4
38,728	00:ca:fe:ba:be:05	downstream	962	authorized	Wed Dec 31 19:00:34 EST 1969	packetipV4Over802dot3
65,028	00:ca:fe:ba:be:05	downstream	962	authorized	Wed Dec 31 19:00:36 EST 1969	packetipV4

At the bottom of the table, there is a 'Rows Per Page' dropdown set to '10' and 'Total: 3'. Navigation controls for the table are shown as '1 to 3 of 3'.