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# Version 1.0 Red October

## Update to version 1.0

Changes in version 1.0 Red October<sup>1)</sup>:

1. New VAS:
  1. bonus program;
  2. notification service (on new services, network maintenance and so on);
  3. ads substitution or blocking.
2. BRAS functions:
  1. subscriber's bandwidth control (for inbound and outbound traffic) with priority or protocol limitations and with total bandwidth borrowing capability;
  2. Captive Portal support to allow charging the subscriber's account.
3. Other:
  1. vertical scaling of the platform in frames of the same application.

## Update to version 1.0.1

In this update:

1. Subscriber Management (fdpi\_ctrl) operational speed was improved.
2. Detection of some protocols was fixed while working with policing.
3. Other small bug fixes.

## Update to version 1.0.2

In this update:

1. The option to write to a disk the selected protocols' sessions is added for diagnostic purposes and to support SORM-3.
2. Bug fixes in policing and bonus program.
3. Other small bug fixes.

<sup>1)</sup>

This version was released before the October revolution anniversary 26.10.2013 and is named after [Thomas Klansy](#), an author of the novel "Hunting the 'Red October'".