

## drop-profile

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<b>Syntax</b>	<code>drop-profile (profile-name   variable);</code>
<b>Hierarchy Level</b>	<code>[edit dynamic-profiles profile-name class-of-service schedulers scheduler-name drop-profile-map loss-priority (any   low   medium-low   medium-high   high) protocol (any   non-tcp   tcp)]</code>
<b>Release Information</b>	<p>Statement introduced before JUNOS Release 7.4.</p> <p>The <code>[edit dynamic-profiles profile-name]</code> hierarchy added in JUNOS Release 9.3.</p> <p>The <code>\$junos-cos-scheduler-dropfile-low</code>, <code>\$junos-cos-scheduler-dropfile-medium-low</code>, <code>\$junos-cos-scheduler-dropfile-medium-high</code>, <code>\$junos-cos-scheduler-dropfile-high</code>, and <code>\$junos-cos-scheduler-dropfile-any</code> internal variable added in JUNOS Release 9.4.</p>
<b>Description</b>	<p>Within the drop-profile map, specify the name of the drop profile to use for random early detection (RED) for a specific packet-loss priority (PLP) level and protocol type. A drop profile maps a fill level (fullness of a queue) to a drop probability (probability that a packet will be dropped). When a packet arrives, RED checks the queue fill level. If the fill level corresponds to a nonzero drop probability, the RED algorithm determines whether to drop the arriving packet.</p> <p>You enable RED by applying a drop profile to a scheduler.</p> <p>You configure drop profiles statically (at the <code>[edit class-of-service drop-profiles]</code> hierarchy level).</p>
<b>Options</b>	<p><i>profile-name</i>—Name of the drop profile.</p> <p><i>variable</i>—One of the following JUNOS internal variable that is replaced with a value obtained from the RADIUS server when a subscriber authenticates over the subscriber interface to which the subscriber access dynamic profile is attached:</p> <ul style="list-style-type: none"><li>■ <code>\$junos-cos-scheduler-dropfile-low</code>—Name of the drop profile for PLP level <code>low</code> and protocol <code>any</code>, specified for a scheduler configured in a dynamic profile for subscriber access.</li><li>■ <code>\$junos-cos-scheduler-dropfile-medium-low</code>—Name of the drop profile for PLP level <code>medium-low</code> and protocol <code>any</code>, specified for a scheduler configured in a dynamic profile for subscriber access.</li><li>■ <code>\$junos-cos-scheduler-dropfile-medium-high</code>—Name of the drop profile for PLP level <code>medium-high</code> and protocol <code>any</code>, specified for a scheduler configured in a dynamic profile for subscriber access.</li><li>■ <code>\$junos-cos-scheduler-dropfile-high</code>—Name of the drop profile for PLP level <code>high</code> and protocol <code>any</code>, specified for a scheduler configured in a dynamic profile for subscriber access.</li><li>■ <code>\$junos-cos-scheduler-dropfile-lny</code>—Name of the drop profile for PLP level <code>any</code> and protocol <code>any</code>, specified for a scheduler configured in a dynamic profile for subscriber access.</li></ul>

**Required Privilege Level** interface—To view this statement in the configuration.  
interface-control—To add this statement to the configuration.

- Related Topics**
- For more information about configuring drop profiles and drop-profile maps, see the *JUNOS Class of Service Configuration Guide* .
  - Dynamic Variables Overview
  - Configuring Schedulers in a Dynamic Profile
  - scheduler