

QoS YANG Model

<http://www.ietf.org/id/draft-ietf-rtgwg-qos-model-07>

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Status

- Added Random Early Detect (RED) and Weighted Random Early Detect (WRED) Configurations
- Taken care of many YANG Doctors comments
- Revised version:

<https://tools.ietf.org/html/draft-ietf-rtgwg-qos-model-07>

Random Early Detect (RED)

+--rw algorithmic-drop

+--rw (drop-algorithm)?

...

+--:(red)

| +--rw red

| +--ecn-enabled

| +--rw min-threshold-val? uint64

| +--rw min-threshold-unit? identityref

| +--rw max-threshold-val? uint64

| +--rw max-threshold-unit? identityref

| +--rw weight? uint8

| +--rw max-probability-val? uint64

| +--rw max-probability-unit? identityref

Weighted Random Early Detect (WRED)

+--rw algorithmic-drop

+--rw (drop-algorithm)?

...

+--:(wred)

+--rw wred

+--ecn-enabled

+--rw wred* [profile]

+--rw profile uint8

+--rw color-type? identityref

+--rw color-val* [min max]

| +--rw min uint8

| +--rw max uint8

+--rw min-threshold-val? uint64

+--rw min-threshold-unit? identityref

+--rw max-threshold-val? uint64

+--rw max-threshold-unit? identityref

+--rw weight? uint8

+--rw max-probability-val? uint64

+--rw max-probability-unit? identityref

Next Steps

- Address YANG Doctors remaining comments
- Reduce the use of “feature” statements
- Statistics defined in below draft to be included in this document

<https://datatracker.ietf.org/doc/html/draft-asechoud-rtgwg-qos-oper-model-10>