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## WAN Optimization

<https://campus.barracuda.com/doc/43846988/>

WAN Optimization is a technique to significantly reduce site-to-site VPN network traffic between two or more locations. To reduce traffic flow across the WAN, Barracuda NG Firewalls make use of Lempel-Ziv and Generic Large Dictionary compression to reduce TINA tunnel traffic. Both compression methods can be applied simultaneously or individually. Depending on the type of network traffic, traffic compression may vary. Generally, traffic compression works more efficiently when the network traffic is more homogeneous.

- WAN Optimization only optimizes TCP traffic flows. UDP Traffic does not benefit from WAN Optimization.
- WAN Optimization does not work for encrypted traffic; avoid optimization for encrypted network traffic.
- The following Application Control features do not work in combination with WAN Optimization:
  - SSL Interception
  - Virus Scanning in the Firewall
  - ATD

### In this Section

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