



Don't Talk To Strangers (DTTS)

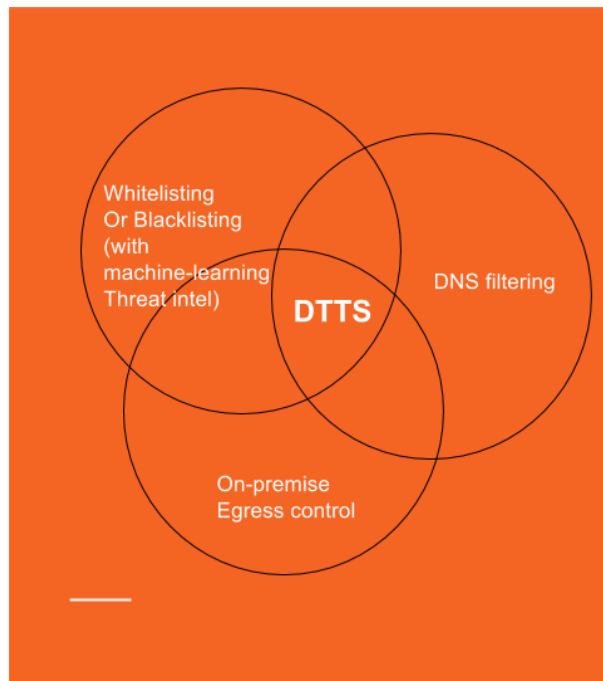


Introduction

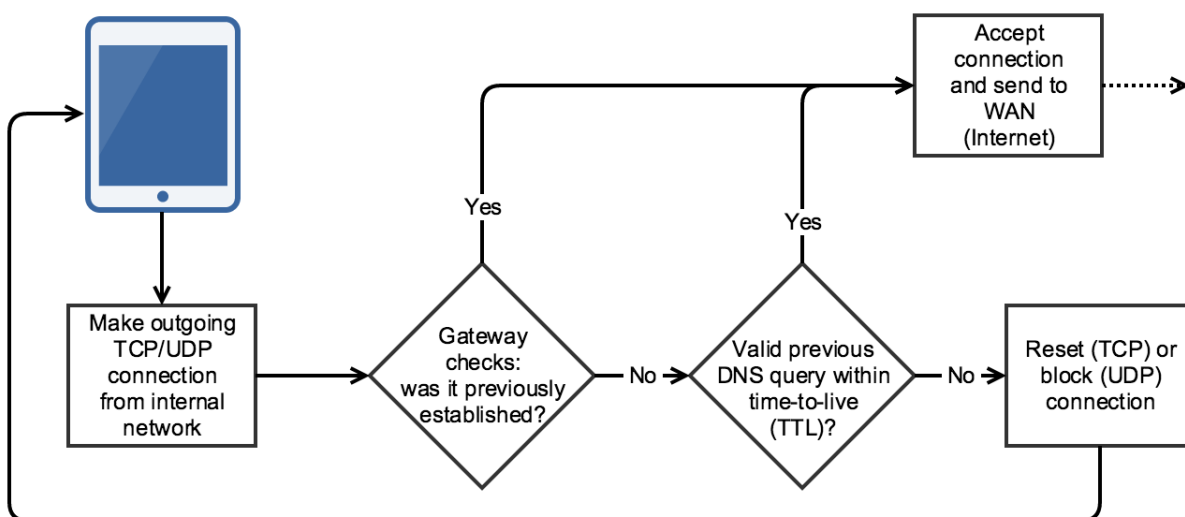
Don't Talk To Strangers (DTTS) is a novel approach to strict DNS filtering by including on-premise IP enforcement. It is an effective way to dramatically enhance security with light-weight hardware/software and without detouring traffic to a cloud provider for security inspection. The essential premise is summarized as follows:

DTTS

The three essentials
of Don't Talk To Strangers



The process flow is essentially one that disallows DNS-less traffic, but allows established and related traffic to persist as outlined here:



Results of DTTS enablement

The very nature of DTTS prevents all P2P (peer-to-peer) applications from running. Whether or not it is desired, these are samples of applications no longer functional with a default DTTS settings:

- Skype (consumer version which is still P2P)
- FaceTime
- P2P File sharing
- Any attempt at any type of outbound VPN (unless destination is whitelisted by domain or enabler, see below)
- Any and all applications using a mechanism other than DNS as a precursor to establish a TCP or UDP connection

Enablers

To allow DTTS to be enabled and yet allow apps to run which are not DTTS-compatible, provision is made for enablers. Each enabler can then, in turn, be enabled on a Rule Set by Rule Set basis. An enabler allows for specification of the following:

- Destination network (using slash notation) such as 17.0.0.0/8 (for Apple's class A)
- Specification of UDP or TCP protocol
- Specification of source or destination port
- Specification of source or destination port range

An example of an enabler is as follows: `17.0.0.0/8|ud3478-3497,td80,td443`

(ud3478-3497 means UDP DESTINATION range 347803497, td80 means TCP DESTINATION port 80, td443 means TCP DESTINATION port 443)

Service availability

DTTS is offered on Business and Enterprise level accounts.

Other Documentation

This information is provided in conjunction with other documents and videos as outlined here:



0	Product Overview and Availability
1	Procurement, Introduction and pre-installation
2	Installation and deployment
3	Lists, Rule Sets and Devices
4	Don't Talk To Strangers (DTTS) (this document)
5	Customization and Tailoring

Support

Email for support:

support@gateway.management

Technical Training available at:

<http://support.gateway.management>

