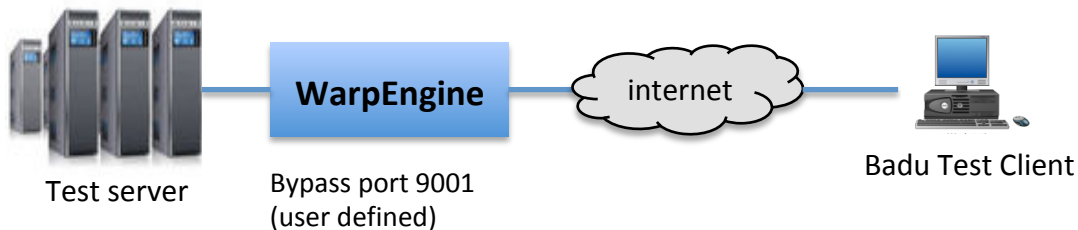# Periodic testing

5-16-18

Monitoring WarpTCP Benefit With the Badu Networks Performance Test Tool

- Make accurate periodic measurements of WarpTCP benefit
- Server supports multiple client connections
- Simple .CSV output
- Easily configured Measurement period
- Command line and UI interfaces

Test server

WarpEngine

Bypass port 9001
(user defined)

internet

Badu Test Client

Deployment Steps –Server

Basic

1. Install test server on a Linux or Windows server
   1. Test tool bundle: www.badunetworks.com/testing/
2. Start the test server on two ports
   1. ./BaduTestServer 9000 &
   2. ./BaduTestServer 9001 &

Advanced: (Watchdog setup)
- Windows
  - See the "Windows Watchdog instructions.pdf" in the download
- MAC OS
  - See "MACOS watchdog client instructions.pdf"
- Linux
  - Add the following to crontab, using the command: crontab -e
    * * * * * /path/to/BaduTestWatchdog.sh >/dev/null 2>&1
    - This should run every minute

Deployment Steps – Basic Client

Basic

1. Install the test client at each desired monitoring point
2. Define tests on the client tool

Advanced:

- Windows: See BaduNetworks-PeriodicClient.pdf
- MAC OS and Linux:
    1. Save the test configuration: tests.js
    2. Run the test client using the command line
        1. ./BaduTestTool --run /path/to/tests.js
    3. Add the following to crontab for periodic measurements using the command: crontab -e
        - * * * * * /path/to/BaduTestTool --run /path/to/tests.js >/dev/null 2>&1
        - Example for hourly repeat: 0 * * * * /path/to/BaduTestTool --run /path/to/tests.js >/dev/null 2>&1

Test Configuration (on the client)

Test server IP + test ports

Test results path

Delay between test batches

Tests to run each batch

Save this configuration to test.js