INTERNET AND AVIATION

WHY YOU NEED FASTAPN WHEN FLYING

TRANSCOM GROUP

FlytLink AVIONICS

ITS DIFFERENT WHEN YOU FLY

IN THE AIR

- Low Bandwidth
- High Contention
- Expensive to Install and Operate
- High Congestion
- Huge Distance to Access
- Very Large Network Delays
- Devices not suited to Space

ON THE GROUND

- High Bandwidth
- Low Contention
- Cheap to Install and Operate
- Low Congestion
- Little Distance to Access
- Very Little Network Delays
- Devices made for Earth

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MY CONNECTION IS ALWAYS BAD

WHAT DIRECTLY CAUSES THE BAD IIN AIR EXPERIENCE

DISTANCE
- One round trip from the aircraft to the internet is 100000 miles, and you need several trips to get your data, its not uncommon to be waiting in excess of 10 seconds for your first page.

EXPENSE
- Buying time on satellites as a user or an operator is not cheap, so you are bundled on the same bus as many others, all concurrently waiting for data, this causes severe congestion.

CHATTER
- Congestion is made much worse by unwanted data constantly bombarding you that you do not even know about or want, such as adware, malware and analytics gathering.
  This all dramatically increases costs, while you paying for something you didn't ask for.

DEVICE
- Most software doesn't work out of the box with big congested delays, called high RTT's, as the network language we all use, TCP/IP, needs conditioning and adjustments to work well under these conditions.

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YOUR INTERNET USE

THE FASTAPN GLOBAL NODES RECEIVE AND CHECK YOUR REQUESTS

GETTING YOUR DATA

- In order for Fastapn to handle your connection, your data is routed to us by means of a common proxy, all software and devices have this built in, and you can choose to configure this manually via any browser or use the Plug and Go **Fastapn** portable USB or even installable software.

CHECKING YOUR DATA

- Once your data hits our global servers the extensive processing starts with a check to see if the requests are actually valid, via our SmartAV DNS, servers that check the calls against millions of known fraudsters, advertisers and analytical services. In daily operations we prevent more than 56% of traffic being sent to your device without your knowledge, saving costs and congestion.

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PROCESSING YOUR CONNECTION

PROCESSING YOUR CONNECTION
- In the high RTT and congested world of satellite communications, there have been many discoveries for handling these non standard requests including PEPSALS (Performance Enhanced Proxy for Satellite Links), we utilise these in addition to our own methodology, to handle delays caused by the long distances. Improvements are shown to increase throughput by up to 12 x

HANDLING THE CONGESTION
- Using our SmartAV DNS to eliminate unwanted traffic is only part of the conditioning. We also dynamically apply well known and proprietary algorithms to change the TCP characteristics to suit and manage congestion over these high RTT links, there are currently 9 such methods used.

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A SUMMARY OF FASTAPN

- **A NON INVASIVE SERVICE**
  o Use a Plug and Go Portable USB, Configure your Proxy connection manually or use installable software.

- **INCREASES ACCESS SPEEDS**
  o PEPSAL and DTN published tests show an improvement of up to 12 x throughput

- **DRAMATICALLY REDUCES COSTS**
  o SmartAV DNS with dynamic network congestion eliminates more than 56% of unwanted traffic at source

- **SHORTENS ACCESS DELAY TIMES**
  o Techniques are used that eliminate multiple round trips for traffic, thereby delivering your data quicker

- **POSITIONS YOU IN COUNTRY**
  o SmartAV DNS positions you in any one of 6 countries, ideal for corporate VPN security or in country streaming

FASTAPN OPERATION

HOW TO USE THE FASTAPN SERVICE

- **PLUG AND GO**
  - All configuration options can be found at **fastapn.com**, from a simple plug and go ready made USB drive, to an installable software version, iphone pac files and simple browser setups.
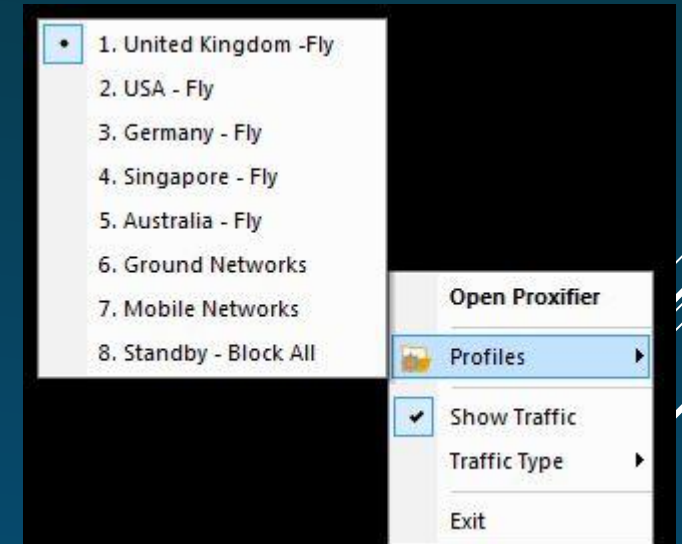
- **SELECT COUNTRY NODE**
  - As a standalone, it remembers your last country, but you can choose any of the country nodes at anytime, this is ideal for in country streaming services, where ever you are.

- **CHECK STATISTICS**
  - You do have the option to monitor live connections, real time traffic graphs and throughput statistics, as well as watching all those detected and dropped 'bad guy' connections.

- **MULTIPLE MODES**
  - Apart from in country nodes, you also have Ground and Mobile, Blocking and Bypass modes. Stop unwanted background chatter that's ramps up your bill when your not using your laptop.

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FASTAPN SERVICE CHARGES

Use on any devices, IOT's, routers, ground and air modes. Unlimited Traffic

- **Single Device – £3.49 mth**
- Use on any one device, fully transferrable

- **BUSINESS 6 USERS - £14.59 mth**
- Use on routers with a /29 subnet, or 6 devices

- **BUSINESS AVAIATION 14 USERS – £35.99 mth**
- Good for all routers including Aviator, CNX / SDX and ESM card servers

- **COMMERCIAL AVAIATION 120 USERS – £195.49 mth**
- Any on board servers, S, Ku, Ka, 2Ku or 120 devices

- **PROXIFIER LICENCE – £29 one time**
- **proxifier.com** is a software program that runs on a USB or laptop and can provide many pre configured operating modes, we supply all the profiles for free.

Click for Quick Buy
or
Full Options **here**

* PRICES MAY BE SUBJET TO VAT DEPENDING ON PURCHASE LOCATION

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FASTAPN CONTACT

HOW TO CONTACT US FOR YOUR FASTAPN SERVICE ACTIVATION

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Email : access@fastapn.com   **Support :** 24/7 Chat Interactive

Call   : UK +44 203 966 4712   USA +1 720 598 8055

- FASTAPN.COM
- Full information including configuration and technical information

- GLOBAL.FASTAPN.COM
- Live FASTAPN service dashboard

- FLYTLINK.COM
- Development and systems engineering for FASTAAPN

- TRANSCOM.NET
- 28 year standing ISP used for all FASTAPN network operations

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