

## GTT Distribution Network



GTT hosts its own global distribution network. This network was launched in 1996 and, because it is geographically distributed at Primary Internet co-location centers and has multi homed rollover architecture, has never been down. This very large, world class, reliable and stable network distributes GTT's services globally with a speed and reliability designed to 'wow' your customers.

As a function of GTT's distribution network and travel data aggregation, GTT provides a range of application services.



## Introduction:

GTT operates a state of the art distribution network as a critical element of its single source electronic platform products and services.

The GTT distribution infrastructure has a proven track record of reliability through extreme increases in traffic such as during the events following 9/11. GTT's network supports critical features on many of its customer's home pages.

- In house distribution network hosting and management
- Critical product element is not outsourced.
- Rapid and reliable distribution
- Reliable speed provides a 'wow' customer experience.
- 100% uptime
- Since network inception in 1995.
- Multiple servers with multi-homed DNS.
- When a server goes down it has rollover to the next server on the network.
- Multiple co location points.
- When a co location or IP transit provider becomes inaccessible due to Internet fragmentation, the architecture allows alternate collocations and IP transit providers to continue distribution.
- Network distribution is core competency
- Wireless and other next generation platform distribution depends on rapid back end electronic communication
- Infinitely scalable
- Can be expanded within hours.
- Operates at less than 10% capacity
- Engineered to accommodate significant increases in activity as needed.

## Multiple Data Centers

The Internet is not a single network but is, instead, a collection of networks behaving as one. GTT embraces and supports the distributed nature of the Internet by hosting multiple autonomous data centers at geographically dispersed locations on multiple Internet backbones throughout the United States. Each of our primary data centers is tied to a central configuration management and distribution center, but can operate independently and in isolation to support severe disaster recovery scenarios.

Each of GTT's data centers host multiple redundant fault tolerant servers configured in a fail-over configuration.

## Multiple Servers

Every GTT server has the same software and hardware configuration. From the patch level of our Apache web server down to the stepping of our microprocessors, our servers are functionally identical. This system allows GTT to hot-deploy the latest operating system, server, and application software patches and updates when necessary.

## Server Communications

GTT contracts with many first tier IP transit providers, enabling high volume low latency reliable Internet access. GTT maintains a NOC to NOC relationship with all IP vendors, assuring low response time to all issues. Connectivity to specific last mile carriers can be accomplished directly, to further reduce costs and increase reliability should the need arise.

### Measurability

GTT provides access to a password protected Web based reporting system available 24x7. Transactions are updated every 24 hours.