Web Content Distribution Services
For Federal, State and Local Government

Deliver Your Content Quickly, Intelligently and Securely

GOVDATAHOSTING

IT CNP Inc.

:: Solution Overview

Federal State and Local Government agencies alike are increasingly turning to web-based outsourced hosted solutions as a means to deliver their mission-critical information to the public.

The ability to offer accurate and timely information and flexible citizen support services through the web to a diverse group of geographically distributed users is vital to achieving government goals and necessary functions.

While selecting their web hosting provider, government agencies are increasingly concerned about the hosting vendor's security offerings, high availability of their web content and experience to support demanding government information system hosting requirements.

To accommodate high availability, increased speed of content distribution and security expectations of government customers, IT-CNP offers a unique platform of Web Content Distribution Services (WCDS) through a portfolio of its datacenters and strategic partners.

WCDS a geographically distributed network-based content delivery service that quickly, reliably and securely replicates web content information across the Internet. Examples of this service include: web page content, large multi-media files, live video broadcast, and video-on-demand transmissions.

Even dynamic database-driven web content can be accelerated and built on-the-fly through our WCDS service offering.

WCDS can significantly improve your government website's customer access time, capacity, reliability, security and performance.

:: Benefits

As part of WCDS solution, your agency's website content is replicated across multiple servers within a geographically distributed network.

Benefits At A Glance

- **Significantly improves your visitor experience through streamlined content access time**

- **Provides an extra layer of security and stability for high-visibility government internet websites**

- **Ensures 100% site availability to a national or even global audience**

- **Includes detailed security and usage monitoring to allow for proactive security response and control over your web presence**

- **Allows to scale on demand to meet high peak traffic load requirements**

While your web visitors enjoy quick access to your content from the nearest WCDS node, you maintain full control, site availability, security and enhanced visitor visibility.

IT-CNP offers custom tailored WCDS solutions supporting the needs of defense, intelligence, law enforcement, civilian, as well as state and local agencies, allowing them to maintain continuous and secure web operations in support of their respective goals and mission.

:: WCDS Process

Content Managers – Content managers provide and manage content through a secure connection to Content Origin Servers located in IT-CNP secure datacenter.

Content Origin Servers – Content Origin Servers maintain the master version of the content. The content in turn is pushed to the Content Distribution Network (CDN) through a secure connection for further distribution to end users.

End Users – Your website content is served to the end users by the optimal CDN Content Caching Node based on load and DNS balanced intelligent routing algorithm that takes into account current node load capacity, traffic utilization and geographic location.

WCDS Management – Specially trained IT-CNP support personnel will manage all aspects of the WCDS solution for the customer agency.

The scope of WCDS management by IT-CNP personnel includes Content Origin Server maintenance and support, secure connectivity management, DNS administration and CDN monitoring.

WCDS Security – IT-CNP network security personnel will proactively monitor your WCDS utilization and usage patterns to identify, isolate and deny any potential malicious attacks on your website.

Additional Content Origin Server security is provided via a mix of operational, management and technical controls based on FISMA compliant NIST 800 Publication requirements.

:: WCDS Architecture
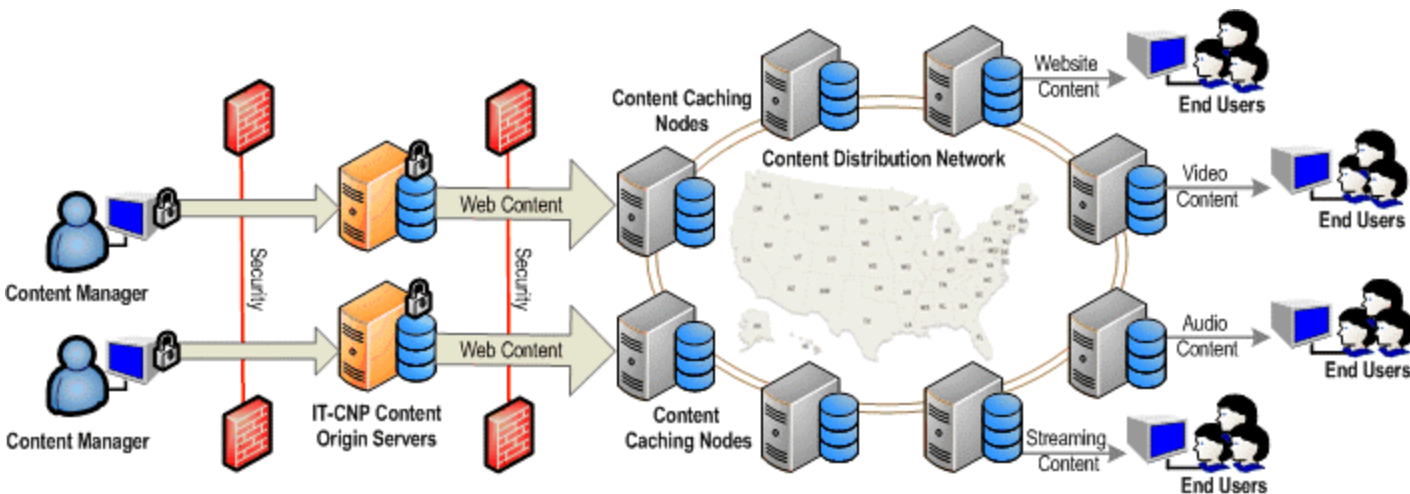
:: Features

• **Website Caching** – Caches static website content including site code and any associated multi-media files such as audio and video.

 • **Website Acceleration** – Caches not only static but also multiple components that makeup the framework of a dynamically driven site that results in faster content delivery and display time.

• **SSL Caching** – Delivers your Secure Socket Layer (SSL) protected content in addition to your non-SSL website content.

 • **Multimedia Caching** – Caches all your multimedia files, including video on-demand, audio and presentation materials.

About IT-CNP

IT-CNP, Inc., is a leading national provider of the premier governm   ent-oriented high availability hosting, information management, cyber security and custom helpd   esk solutions. Created exclusively to serve the demanding hosting needs of Federal, Sta   te and Local government agencies, IT-CNP serves as a unique government oriented hosting solutions pro vider that delivers proven government past performance, solid value and secure hosti ng industry's best practices.

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