# Communications Server for Data Center Deployment
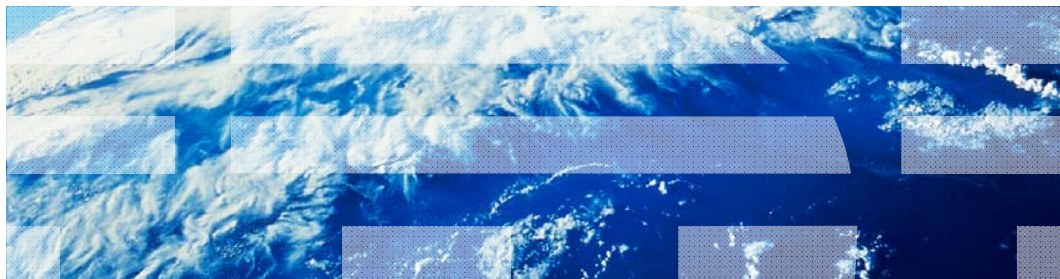
## Client/Server

This presentation discusses the client/server relationship that can be created using the Communications Server for Data Center Deployment's Remote API functionality. An understanding of the client/server relationship is integral to the SNA architecture within the Communications Server for Data Center Deployment.

## Benefits

- Client/Server allows SNA applications to connect over TCP/IP without any coding or changes to the SNA application

- Communications Server for Data Center Deployment client/server provides:
  - Simple connectivity
    - TCP/IP Port 1553
    - Minimum two to three parameters
  - High availability
    - Clients connect to domain of servers
    - Servers provide access to SNA resources across domain
    - Client/server allows for load balancing

Communications Server for Data Center Deployment supports connections from Remote API clients, acting in a client/server relationship with the Data Center Deployment product. This allows SNA applications to become TCP/IP clients without requiring any code changes within the application. In the client/server environment, Communications Server provides the application simplified connectivity using port 1553, plus up to three additional parameters.

This environment also provides high availability, allowing clients to connect to a domain of servers, permitting cross-domain access to SNA resources and supporting load balancing capabilities. This enables backup functionality and redundant access in the event of individual failures or outages.

# Platform support

- Remote API clients support:
  - Windows
  - Win-64
  - AIX®
  - Linux (i686, x86_64, ppc64 and s390x)

Remote API clients support seven platforms and more than 20 operating systems. This includes Windows, 64-bit Windows, AIX and Linux.

## Configuration and logs

- Configuration:
  - Windows and Win-64 Remote API clients:
    - Configuration information saved in Windows registry
    - GUI configuration program provides access to configuration information
  - AIX and Linux Remote API clients:
    - Configuration in a ASCII text file

- Error and Audit logging are configurable
  - Logs to ASCII file
  - Allows log files to wrap between two log files

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Configuration of the Remote API client will depend on the operating system on which the client is running. For Windows and 64-bit Windows, configuration information is accessed using a graphical user interface and saved in the Windows registry. For AIX and Linux clients, the configuration is stored in a flat ASCII text file.

Additionally, for all platforms, the Remote API client will write error and audit log information to ASCII text files.

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