cnMatrix SSH Parameters and Commands

Commands	Description	CLI Mode
`ip ssh {version compatibility	cipher ([des-cbc] [3des-cbc] [aes128-cbc] [aes256-cbc])	auth ([hmac-md5] [hmac-sha1]) }` Available options: • `version` – support for the SSH protocol version. • `cipher` - cipher-algorithm list. • `auth` – public key authentication for incoming SSH sessions. • `transport-max-allowed` – configures maximum of bytes allowed in an SSH transport connection.	Enables you to configure parameters associated with the SSH server.	Global Configuration
`ssh {enable	disable}`	Enables or disables SSH subsystem.	Global Configuration
`debug ssh ([all] [shut] [mgmt] [data] [ctrl] [dump] [resource] [buffer] [server])` Available options: • `all` – generates debug statement for all traces. • `shut` - generates debug statement for shutdown traces. • `mgmt` – generates debug statement for management place functionality traces. • `data` - generates debug statement for data path. • ctrl - generates debug statement for Control Pane functionality trace. • `dump` - generates debug statement for packets handling traces. • `resource` - generates debug statement for traces with respect to allocation expect buffers. • **buffer** - generates debug statement for buffer messages. • `server` - generates debug statement for server messages.	Enables the trace levels for SSH.	Privileged EXEC
`show ip ssh`	Displays the SSH server information such as version, cipher algorithm, authentication and trace level.	Privileged EXEC
`ip ssh transport-max-allowed bytes <integer(1-32768)>`	Configures the maximum number of bytes allowed in an SSH transport connection.	Global Configuration
`ip ssh pubkey-chain`	Configures the SSH clients public key, to be used for public key based authentication.	Global Configuration
`ssh server-address <ip-address> [port <integer(1-65535)>]`	Configures the SSH server listening IP address and the primary port number.	Global Configuration
`show ssh-configurations`	Displays the SSH server listening IP address and port information.	Privileged EXEC

Commands	Description	CLI Mode
`ssh <ipv4_addr/ipv6_addr> [-1] [-2] [-4] [-6] [-A] [-a] [-C] [-N] [-s] [-V] [-v] [-l <username>] [-T] [-t] [<remote-command>]` Available options: `<ipv4_addr/ipv6_addr>` - Establishes ssh client session for the specified IP address. It supports both IPv4 and IPv6 addresses. `-1` - Forces ssh to try protocol version 1. `-2` - Forces ssh to try protocol version 2. `-4` - Forces ssh to use IPv4 addresses only `-6` - Forces ssh to use IPv6 addresses only. `-A` - Enables forwarding of the authentication agent connection. `-a` - Disables forwarding of the authentication agent connection. `-C` - Requests compression of all data. `-N` - Does not execute a remote command. `-s` - Specifies the subsystem as the remote command (SSH-2 only). `-V` - Supports print version information and exit. `-v` - Displays verbose messages. `-l <username>` - Specifies the user name. `-T` - Disables pseudo-tty allocation. `-t` - Enables force pseudo-tty allocation. `<remote-command>` - Specifies the remote command to be executed. If it is more than one argument use double quotes	This command establishes ssh client session with the specified IP address.	Privileged EXEC