

## Cisco style H.235 security token is added

The H.235 cryptoToken by MD5 hashing was the only crypto algorithm between gateway and gatekeeper before introducing this H.235 token. For compatibility to Cisco gatekeeper, now Addpac's gateway provides a Cisco style clearToken with MD5 hashed challenge as well as popular cryptoToken.

By default, when security is enabled, only an cryptoToken is encoded at RAS messages (i.e., RRQ, ARQ, URQ, DRQ, etc.), but each of tokens can be enabled or disabled by command.

When Cisco endpoint style clear token is enabled, the originating side doesn't set clear token at ARQ but SETUP, and the terminating side set the clear token to ARQ.

The Cisco per-call style clear token is a superset of endpoint style and set clear token at originating ARQ also.

(Notice) The Cisco gatekeeper's allowed boundary of clock synchronization between gateway and gatekeeper is narrow, so, use the NTP( Network Time Protocol ) for convenience.

### - Related Commands

```
ap2520-A(config-gateway)# sec ?
```

```
clear-token-option      set clearToken option
```

```
crypto-token-option    set cryptoToken option
```

```
password                set password for registration and call admission to GK
```

```
ap2520-A(config-gateway)# sec clear ?
```

```
none                    no clearToken
```

```
old-style                set clearToken of cryptoToken
```

```
cisco-endpoint-style    set clearToken with terminating endpoint only
```

```
cisco-per-call-style    set clearToken with both of originating and terminating endpoint
```

```
ap2520-A(config-gateway)# sec crypto ?
```

```
none                    no cryptoToken
```

```
md5                      set cryptoToken by MD5
```

```
ap2520-A(config-gateway)# sec crypto
```

```
ap2520-A(config)# ntp server ? // set NTP server address
```

```
A.B.C.D                 IP address of server
```

```
ap2520-A(config)# service ntp // enable NTP client
```

- Default value

clearToken : none, cryptoToken : md5