

Centurion Technologies

Client Licensing



For Clients that have Managed Licenses

Smart Shield Client start up with Smart Control Managed License



Every time the client reboots it makes an attempt to renew its leased license

- After a reboot an actively licensed client will attempt 3 times to update its license lease. If it fails to receive an updated lease, it continues with its current lease.
- -When the license lease is within 5 days of expiration the client will continuously attempt license renewal.





- -Active license lease with extended end date.
- -Suspended license if the Smart Control is suspended.
- -Not Enough Licenses because the Smart Control has run out of managed licenses to give away. This will cause the client license to be suspended.





- -If the Smart Control is powered off the clients will be unable to receive a license lease
- -If network communications are not working the clients may not be able to get a license lease
- -Firewalls can block the license lease communications, make all exceptions for port 25553
- -If the Smart Control is suspended the clients will also be set to suspended
- -If the client machines are disconnected from the Smart Control network for over 30 days the lease will run out (Laptops).

Smart Shield Client after start up



After the client has made its lease renewal attempt, it then begins its keep alive loop sending a small message every 30 seconds (can be configured up to 10 minutes) to let the SCRM know it is powered on and ready to accept messages.

- -The keep alive is a one way message.
- -The keep alive allows the client to show as connected in the Smart Control
- -The keep alive has nothing to do with licensing
- Clients that are stand alone licensed can be pointed at a Smart Control

CAUTION

-If network communication is unavailable, the keep alive will not be received

-Firewalls can block the keep alive, make all exceptions for port 25553







For Clients that are Standalone Licensed

Smart Shield Client start up with a standalone license





- -At install and every 30 days, the standalone licensed Smart Shield client attempts to validate its license with our server. If the client is unable to connect to our server it will retain its current status.
- -Possible license server responses

Active

Active Updated Permissions

Suspended

Revoked



-If at any time the client goes suspended, the standalone client will attempt to contact the license server on every reboot.

CAUTION

- -The client must have an active Internet connection for this to work.
- -Clients without an active Internet connection can be manually licensed.