Client Public Key Sent



**Scheduler / Server**

* Generates a pair of server keys
* Sends server public key to install target .service directory
* Receives client keys from install targets, stores them in  
   ~/cylc-run/<WORKFLOW\_NAME>/.service/client\_public\_keys
* Loads public keys of trusted install targets from  
  ~/cylc-run/<WORKFLOW\_NAME>/.service/client\_public\_keys
* Uses client public key to encrypt message to be sent to the install target
* Uses server private key to decrypt messages from the client
* Requires a pair of client keys for e.g. cylc stop, cylc scan and local host jobs to work correctly

**Remote host/Install target / Client**

* Generates a pair of client keys
* Sends client public key to scheduler/server to be stored in

~/cylc-run/<WORKFLOW\_NAME>/.service/client\_public\_keys

* These client public keys have the install target in the filename: client\_<INSTALL\_TARGET>.key
* Receives server public key and stores it in .service directory
* Uses server public key to encrypt message to be sent to the scheduler
* Uses client private key to decrypt messages from the scheduler
* Keys are deleted in remote tidy