



HttpPortAllocator Class

A subclass of the [BasicPortAllocator](#) class that exposes methods to specify the address of STUN and relay servers to use. It uses a default hard-coded values defined in the constructor for its STUN and relay servers (Google servers); you should use [JingleInfoTask](#) to request the actual current values and reset them appropriately, as described in [Set Up the Session Management Pathway](#). Note that libjingle provides STUN and relay server code that you can use for your own project ([StunServer](#), [RelayServer](#)).

You should use **HttpPortAllocator** unless you have special needs or have extended **BasicPortAllocator** yourself.

Your application should create an instance of this class after signing in to a server, and pass it into an instance of [SessionManager](#) that you have created.

Syntax

```
class HttpPortAllocator: public BasicPortAllocator
```

Methods

HttpPortAllocator defines the following key methods.

Name	Description
virtual PortAllocatorSession <i>*CreateSession</i> (const std::string &name, const std::string &session_type);	Called by SessionManager to create a PortAllocatorSession needed to manage this object. Clients should not need to call this method.
void SetStunHosts (const std::vector<talk_base::SocketAddress> &hosts)	Called by the client at the start of a session to set a list of any STUN servers involved in the connection. This list can be retrieved from the JingleInfoTask::SignalJingleInfo signal.
void SetRelayHosts (const std::vector<std::string> &hosts)	Called by the client at the start of a session to set a list of any relay servers involved in the connection. This list can be retrieved from the JingleInfoTask::SignalJingleInfo signal.
void SetRelayToken (const std::string &relay)	Called by the client at the start of a session to set any relay server tokens needed. This value can be retrieved from the JingleInfoTask::SignalJingleInfo signal.
std::string relay_token ()	The relay token for the relay server (if used).

Attributes: public

Declaration file: talk/p2p/client/httpportallocator.h

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