

# TES: How does the master/agent initial communication work?

Document ID: 112945

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## Introduction

This document provides information on how the communication between the Tidal Master and Tidal Agent is initiated.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

Tidal Master (Windows or Unix) and Tidal Agent (Windows or Unix)

### Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

## Solution

When the Tidal Agent is initially installed and started, it has no knowledge of the Tidal Master's existence. It starts "listening" on the port number specified in the tagent.ini file (if Unix) or in the Tidal Agent Service (if Windows). The default port number is 5912.

The Master knows about the Agent's existence when the Agent is configured through the Tidal Client with the configuration of the Agent name and port number. When the Agent is enabled, the Master starts "looking" for it on the network on the configured machine with the specified port number.

When the Master sees the agent listening, it connects to the Agent. The Master registers itself on the Agent using the the ES\_<master name>\_1\_.prp file located on the Agent machine. This registration includes the IP address, name, and ID for the agent. From that point on, the listening port on the Agent is no longer used unless the Master registration information is deleted. If there is a .prp file when the Agent starts, it knows what Master to connect to. From the connection onward, there simply needs to be a continuous network connection between the Master and Agent.

# Related Information

- **Technical Support & Documentation – Cisco Systems**
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Updated: May 09, 2011

Document ID: 112945

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