

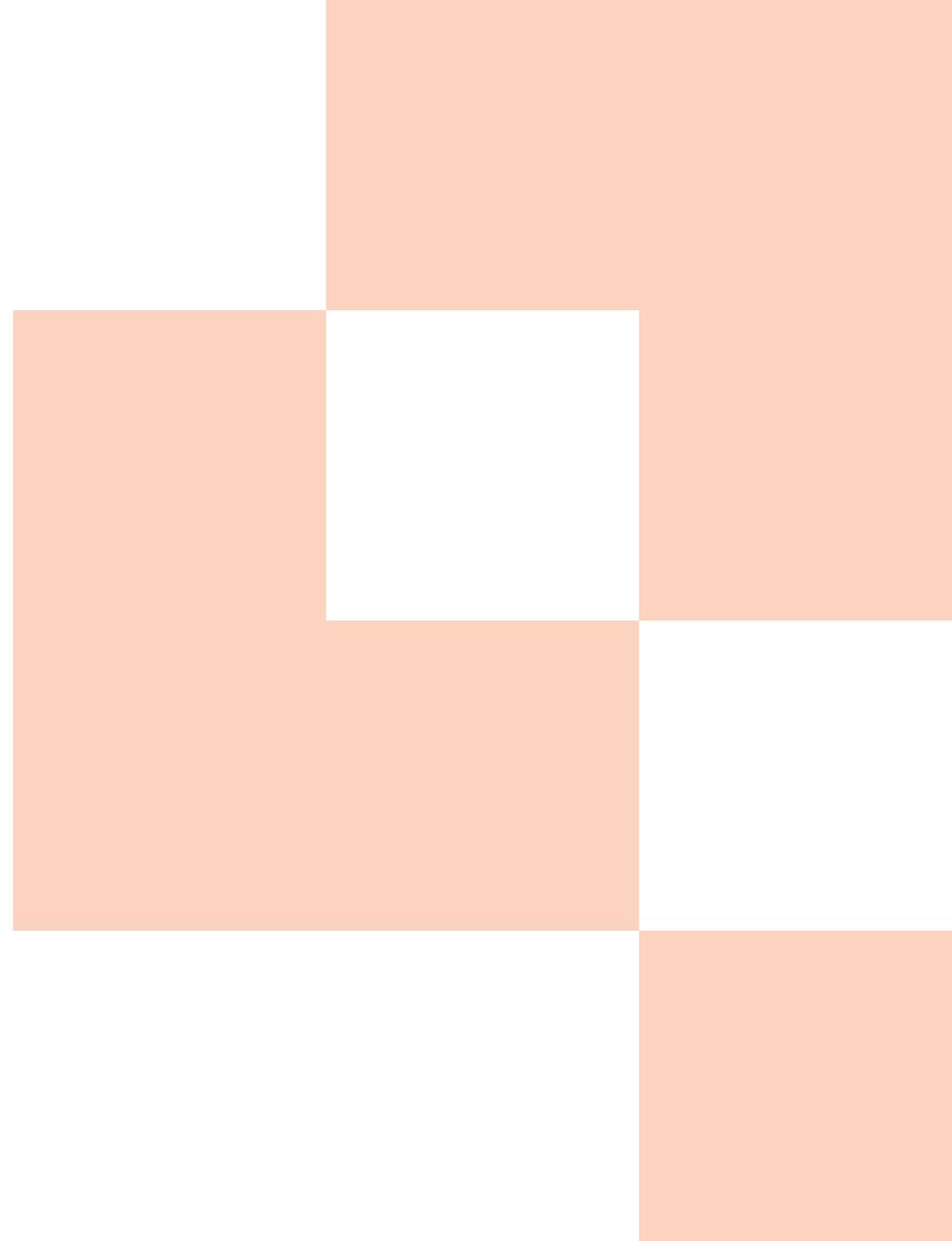
Quickbase Pipelines On-Premises Agent

Quick Start Guide

Last updated: October 28, 2024

Quickbase On-Prem Agent Client

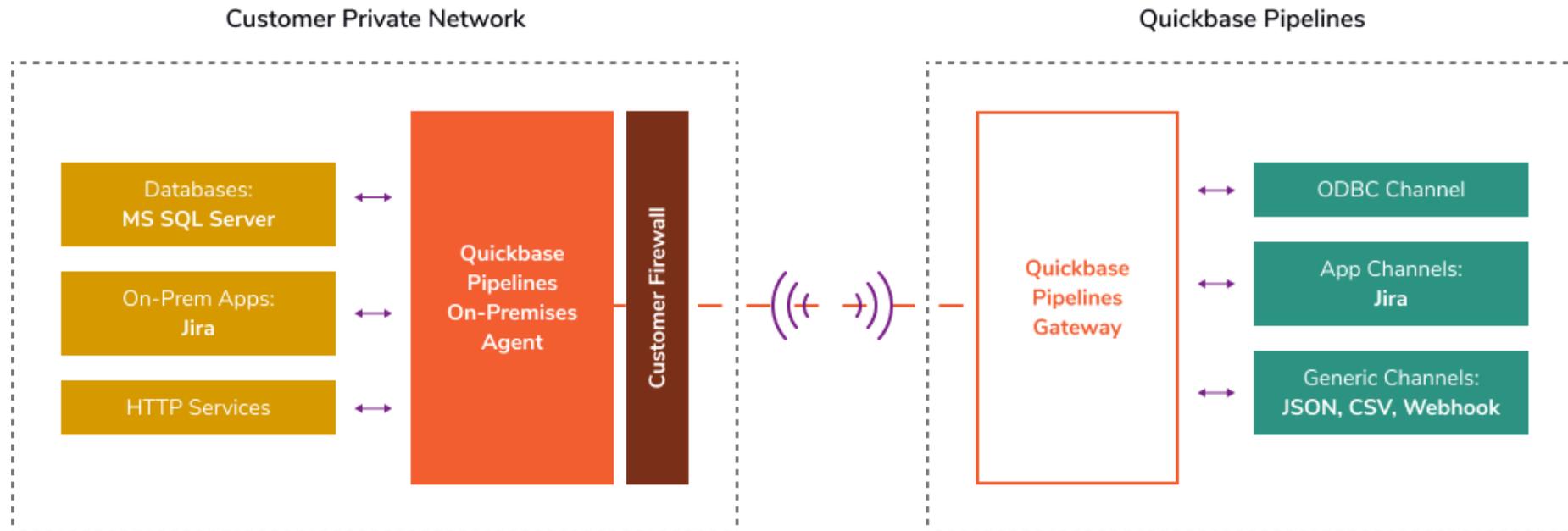
Introduction



Introduction to Quickbase Pipelines Agent

Brief Overview

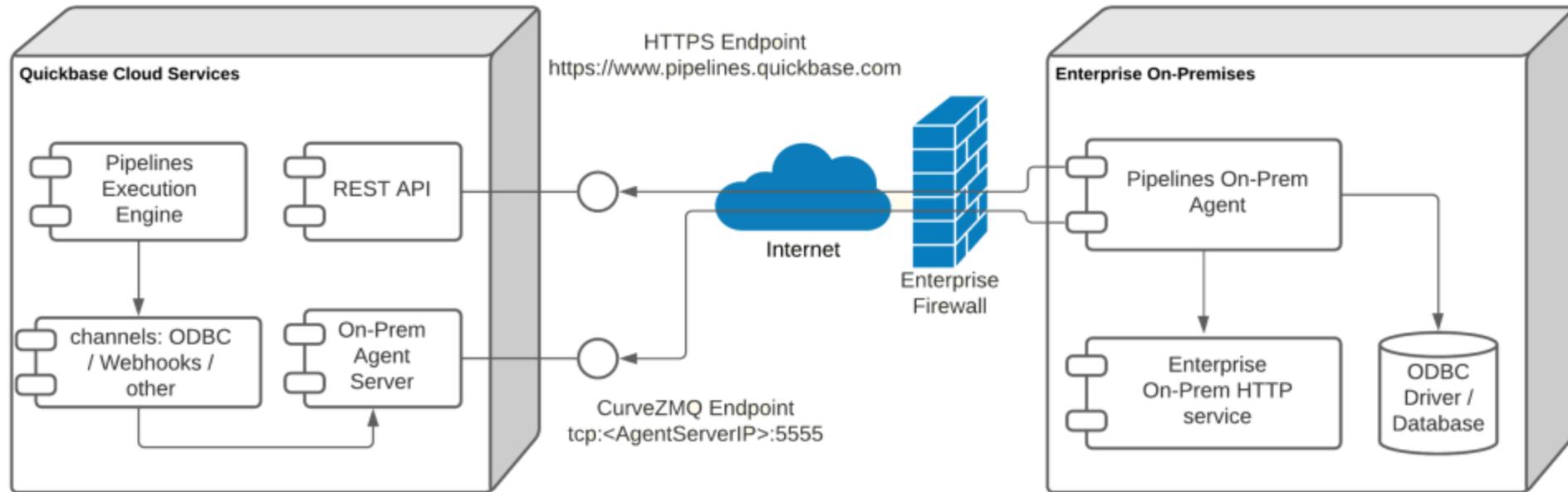
- The Quickbase Pipelines On-Premises Agent is a small self-contained software component that helps you connect On-Premises applications in your corporate intranet to Quickbase Pipelines.
- The agent client supports end-to-end encryption. To encrypt and decrypt the data we use AES 256 symmetric key.



Introduction to Quickbase Pipelines Agent

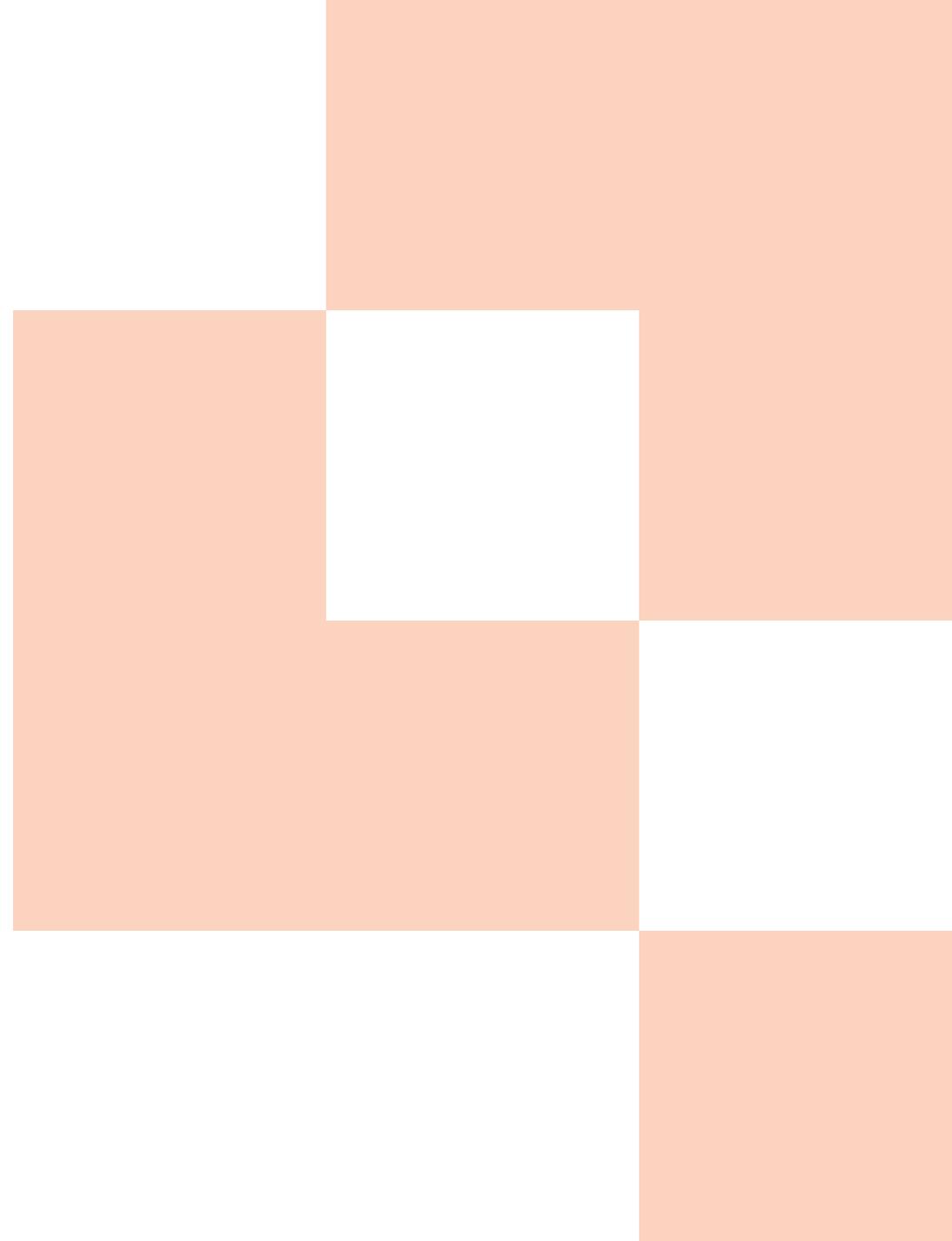
Brief Overview

- The following graphic shows the connection in greater detail:



Agent Client Installation

Getting Started



Permissions and access

Networking Requirements

- DNS lookups to hosts 'agents.pipelines.quickbase.com' and 'www.pipelines.quickbase.com'
- Outbound TCP connections to TCP port 5555 for 'agents.pipelines.quickbase.com' protocol CurveZMQ
- Regular HTTPS on port 443 for 'www.pipelines.quickbase.com'
- To achieve this, you will need to enable outgoing connections to Cloudflare IPs.
 - For a full list of IP ranges, see: [IP Ranges | Cloudflare](#)
 - The On-Prem Agent Connection uses dynamic IP addresses, and the full list will need to be whitelisted.

*Contact your IT group to verify your network meets these requirements.



Permissions and access

Windows Access

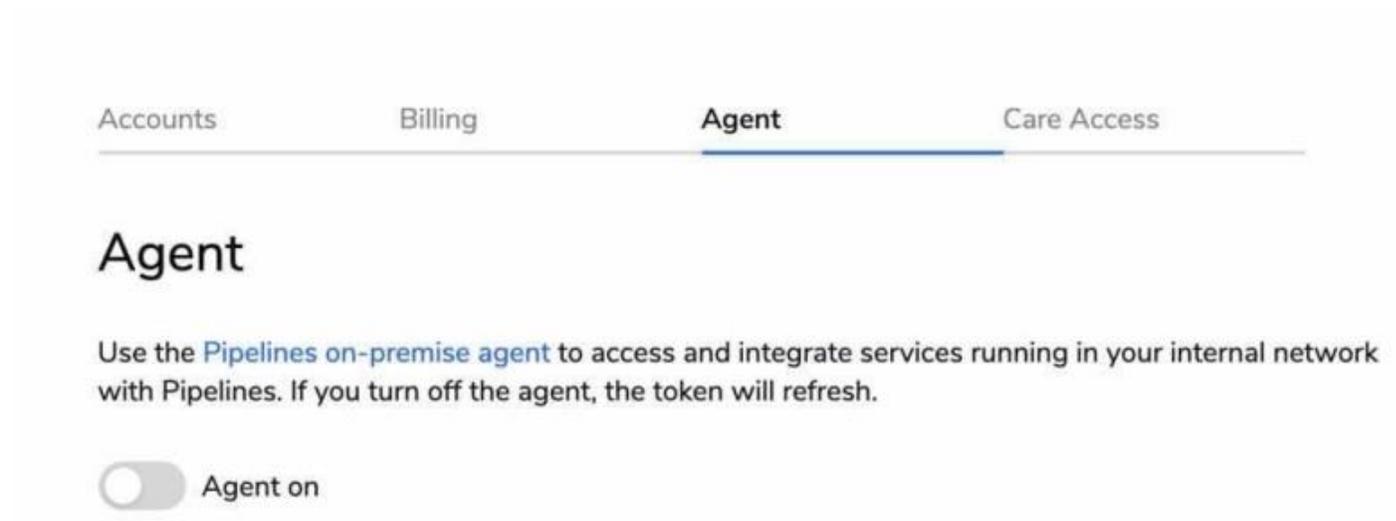
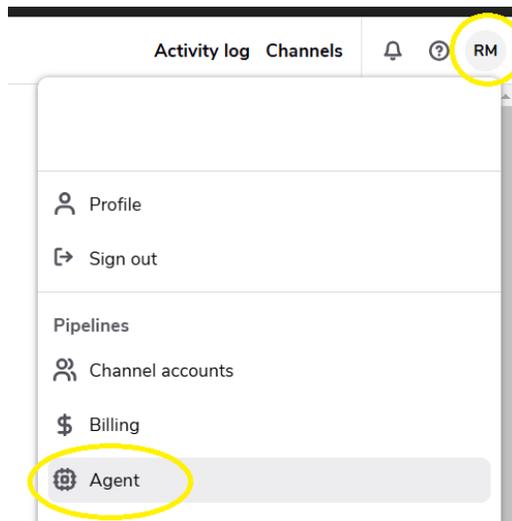
- Contact your IT group to verify you have the correct Windows privileges. You will need this access to get started:
 - Write access to Windows Temp directory for the Agent Client installation files
 - Admin access to Windows to be able to perform the installation
 - We recommend using a separate Quickbase user dedicated to connect to the On-Premises agent



On-Prem Agent Download

Downloading & Enabling The Agent in Quickbase

- You enable the Agent by opening **Pipelines**: {yourRealm}.pipelines.quickbase.com
 - In the top right corner is your initials, click this to see a dropdown menu
 - Then click Agent. This will navigate you to the agent tab.
 - Click the **Agent on** toggle
 - When toggled on this will reveal the download link.



Starting the Agent installation process

Installation

Follow the instructions on the Agent tab. When you enable the agent three steps display:

- **Step 1: Download agent** — This step has a link to download the agent on your machine.
 - **Step 2: Configure and start agent** — This step turns on the agent and provides the settings you will need during the installation process of the agent on your machine. Note: If you turn off the agent, these settings refresh.
 - **Step 3: Verify status** — This step checks to see if the agent is running successfully or not. If the status is successful, you receive detailed data about your connection to the Agent.
- For more detailed installation instructions visit the following link: [Pipelines Installation](#)

Note: While on the 'Agent' tab, under the section "Step 2: Configure and start agent", there will be two pieces of information: The API Token & The Host. When prompted, you will need to copy and paste these during the installation process.

Note: The service will start in the background when the Agent is initially installed, . If this service is running and you launch the Agent's GUI on your machine, then you will see an error about ports 15430 & 13128 being in use and the GUI will look like the agent is failing to launch.

Intermission

The next section walks through setting up an ODBC Connection. This will only be possible if you have a green status light on the “agent” tab.

Step 3: Verify Status

✓ The agent is running successfully.

Agent status details

status	OK
agent_package_path	C:\Windows\TEMP_MEI47962
agent_python	3.7.7
agent_started_at	2021-06-30T07:54:02.523035
agent_host_info	uname_result(system='Windows', node='EC2AMAZ-9UGHRUD', release='10', version='10.0.17763', machine='AMD64', processor='Intel64 Family 6 Model 85 Stepping 7, GenuineIntel')
baked_services	odbc_bridge: 1.0.0
agent_python_bits	64
agent_version	1.0.0

Using the ODBC Channel

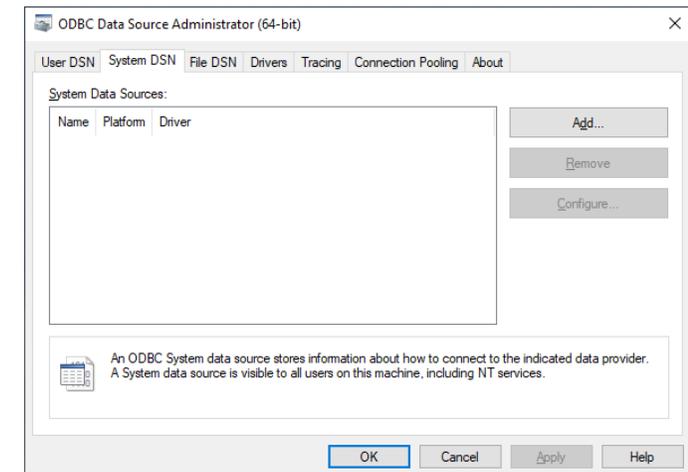
Configuration Overview

As a developer, you can use the ODBC channel to connect to SQL databases, Jira, and a few other services** on your intranet. Before you connect:

- In your ODBC Driver (must be 64-bit) on your private network, ensure that you have created a “System User”*** Data Source Name (DSN). The DSN credentials will be used when you configure your first Pipeline using ODBC Channel steps.
- Use TCP/IP Network Protocol in SQL Server
- Ensure SQL browser service is turned on

For a more detailed explanation visit :

<https://helpv2.quickbase.com/hc/en-us/articles/4472972995092-ODBC-channel->



Footnotes:

**A brief overview of services can be seen here <https://helpv2.quickbase.com/hc/en-us/articles/4482673507988-Quickbase-Pipelines-Agent-connections->

***Your configuration should be user or system DSN depending how you will be running your agent client. If it is a user DSN, but you are defining it logged in as user X and the agent client is running with user Y, it won't see your configuration, since it's visible only for your user



[Quickbase.com](https://www.quickbase.com)