



# Installation Instructions

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## Prerequisites for Installation

- .NET Framework 4.72: <https://dotnet.microsoft.com/download/dotnet-framework/net472>
- Adobe Acrobat Reader: <https://get.adobe.com/>
- Wireshark 3.2.5 or later with Npcap .994 or later: <https://www.wireshark.org/#download>
- SQL Express 2017 or 2019: <https://www.microsoft.com/en-us/sql-server/sql-server-downloads>  
**NOTE:** SQL Express can be installed locally or remotely. For remote installations, once BACPro is setup and licensed, you can configure a remote database from the Settings tab.

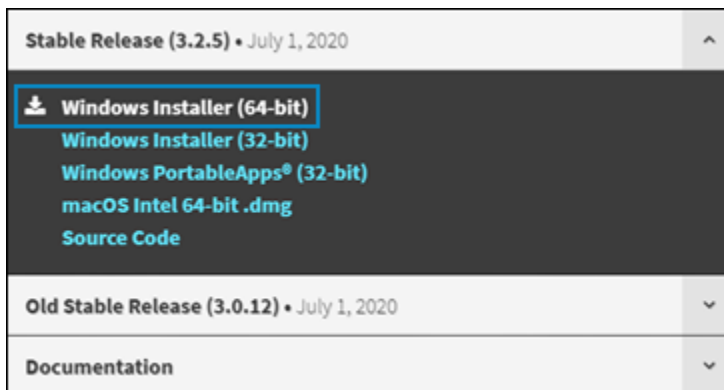
## Disk Space Requirements

BACPro saves all BACnet packets in the /CaptureFiles directory for 1 week by default. On a large jobsite (1000+ devices), this will use approximately 25 GB. The SQL database will likely use less than 1 GB. We recommend 30 GB of space for BACPro.

## Installing Wireshark

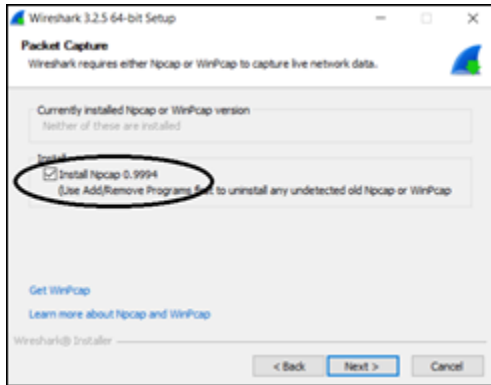
Wireshark 3.2.5 or later with Npcap .994 or later is recommended. If you already have Wireshark and are not sure what version you have, run the application, and it should check for updates.

1. From the Wireshark website, download the **Windows Installer (64-bit)** version.

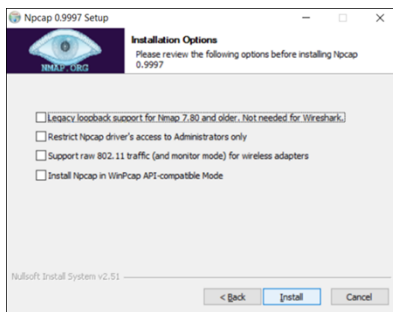


2. Run **Wireshark.exe**.

3. During installation, you must select the **Install Npcap** checkbox.



4. When the **Npcap Installation Options** dialog box displays, accept the default settings. If you want the loopback adapter, select the first box.



5. Complete the prompts to finish the installation.

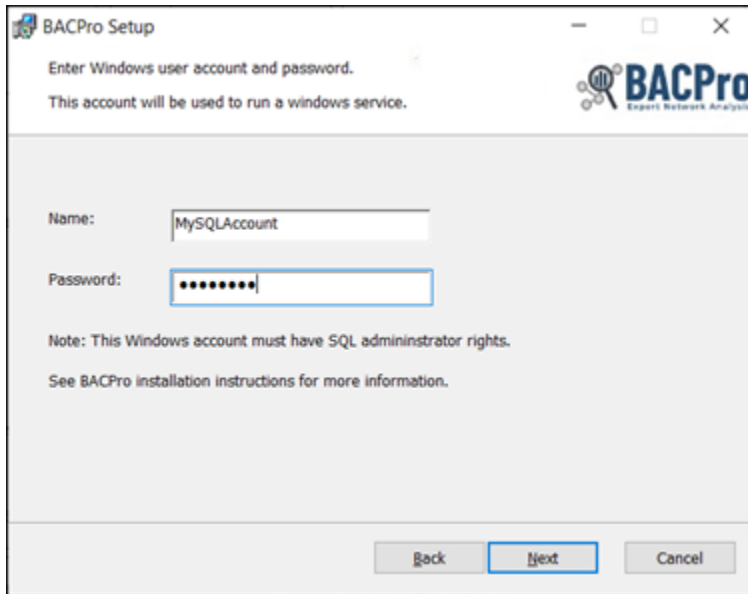
## Installing BACPro



The Windows user account used must have SQL administrator permissions. Part of BACPro runs as a windows service, and it needs administrator access to SQL. For more information, see *Setting Up SQL Permissions*.

1. Enter the **Name** and **Password** that has SQL administrator rights, and then click **Next**.


**NOTE:** The user account used can be changed at any time from the Windows Service Control Manager.

A screenshot of the BACPro Setup dialog box. The window title is "BACPro Setup". The main text reads: "Enter Windows user account and password. This account will be used to run a windows service." In the top right corner is the BACPro logo with the tagline "Expert Network Analysis". Below the text are two input fields: "Name:" with the text "MySQLAccount" and "Password:" with a masked password of eight dots. A note below the fields states: "Note: This Windows account must have SQL administrator rights. See BACPro installation instructions for more information." At the bottom are three buttons: "Back", "Next" (which is highlighted with a blue border), and "Cancel".

2. After installation, run the **BACPro** application.

**NOTE:** For information about using BACPro, see the *User Guide* in BACPro > Settings > Documents.

## Setting Up SQL Permissions

 The SQL user needs system administrator permissions. Use the following link to add a new SQL login or update an existing SQL login with the required permissions:

[Create a Login - SQL Server | Microsoft Docs](#)

