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## Hilltop & Hilltop R Package Installation

### Install Hilltop Manager, Hydro, and Ratings

1. Ask IT (email servicedesk@horizons.govt.nz) for Appdata to be opened.
2. Navigate to: \\ares\Environmental Software\Hilltop HRC System\Hilltop Install\Hilltop Software\Manager\Odd Versions (Formal Release) and select the most recent version of **ManagerXXX.exe** (e.g. **Manager635.exe**). In the popup box (see image below), change the program path to the relevant location (if necessary) and press *Copy* > *OK*

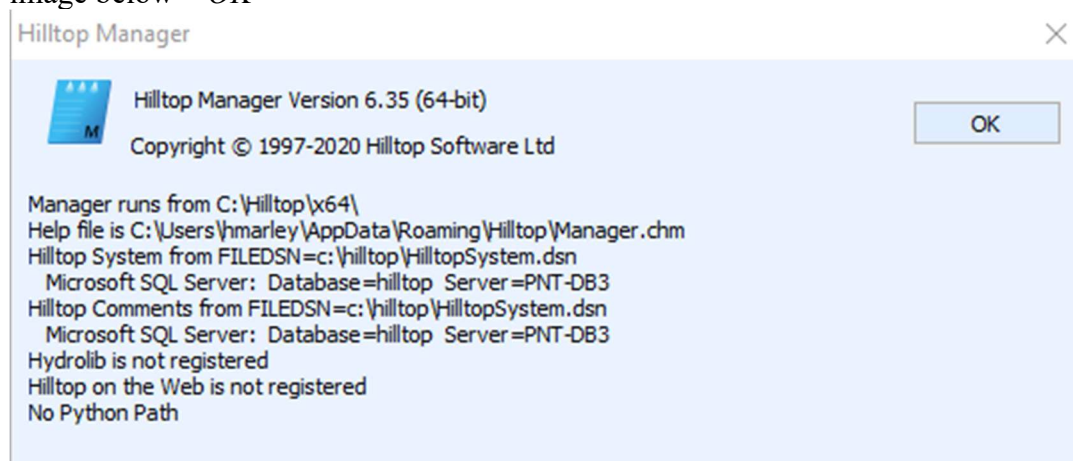


3. Navigate back to C:\Hilltop (or path you chose above) and check that the .exe file is there.
4. Navigate into \\ares\Environmental Software\Hilltop HRC System\Hilltop Install\Hilltop Software\Hydro and select **HydroXXX.exe** > *Run* > *Copy* > *OK*
5. Navigate into \\ares\Environmental Software\Hilltop HRC System\Hilltop Install\Hilltop Software\Ratings and select **RatingsXXX.exe** > *Run* > *Copy* > *OK*
6. Navigate into \\ares\Environmental Software\Hilltop HRC System\Hilltop Install\Hilltop Template and copy both **HilltopSystem.dsn** and **lf90wiod.dll** into the folder C:\Hilltop (where all the other files are).
7. **If you're using 64 bit R:** cut the files (**Ratings.hlp**, **Ratings.exe**) from C:\Hilltop and paste into C:\Hilltop\x64

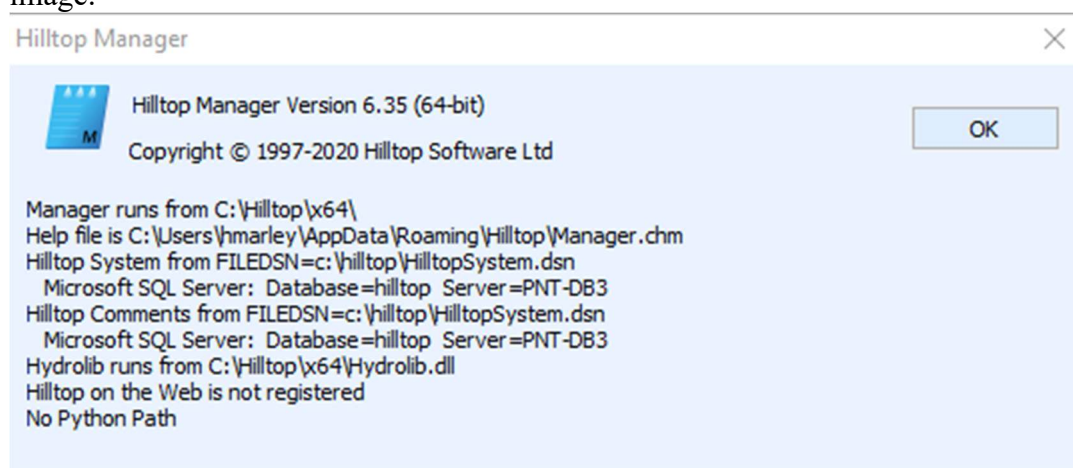
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## Hilltop & Hilltop R Package Installation

- Open C:\Hilltop\x64\Manager.exe > *Help* > *About Manager* > check popup box against image below > *OK*



- In Manager, go to the *Configure* tab > *Installation* > *Yes*. Now go back to *Help* > *About Manager* > and the popup box should now include "Hydrolib runs from C:\Hilltop\x64\Hydrolib.dll" (or whatever your directory is), as shown in the below image:



- Check that Ratings can open from inside Manager using the  button in the top toolbar

- Check that **Hydro.exe** opens (stored in C:\Hilltop)

## Install Hilltop R package

- Open RGui or RStudio. If you don't have the **zoo** package installed you'll need to install this first.

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## Hilltop & Hilltop R Package Installation

```
install.packages("zoo")
```

2. Install the **Hilltop** package by going to the *Packages* tab in RStudio > *Install*. In the popup box, select the drop-down arrow for *Install from* and select **Package Archive File (.zip; .tar.gz)**. Then Browse to the location of the **Hilltop.zip** file (e.g. in C:\Hilltop or C:\Hilltop\x64).
3. You should now be able to load the Hilltop library:

```
> library(Hilltop)
Loading required package: zoo

Attaching package: 'zoo'

The following objects are masked from 'package:base':

    as.Date, as.Date.numeric

welcome to Hilltop for R version 1.3
Hydrolib is located at C:/Hilltop/x64/Hydrolib.dll
```

4. Any messages about “.onLoad failed” means that Hydrolib is not registered and R couldn’t find it. Run the Config - Installation command in Hilltop Manager again. You can see a list of packages that are installed by running the library() command in R. You can remove the Hilltop package by entering the remove.packages("Hilltop") command.

**More detailed instructions on installing and using the Hilltop R package can be found here:**

\\ares\HydrologySoftware\R\Training and Reference\Hilltop & R\HilltopPackageGuide.html (paste link into a browser to open).