

## RHINO ZOO OVERVIEW

### Overview:

The Zoo lets you share Rhino, Flamingo, Penguin, and Bongo licenses (CD-Keys) among users on the same network workgroup. When these products are installed as the workgroup nodes instead of stand-alone, it works like this:

- When a workgroup node starts, it requests a license from the Zoo.
- An unused license is assigned to the node.
- When a node shuts down, the license is returned to the Zoo's license pool.

### Features:

- **Free** - The Zoo is a free [download](#).
- **No extra costs** - Special versions of Rhino, Flamingo, Penguin, or Bongo are not needed.
- **No special hardware** is needed - The Zoo will run on any system in the same network workgroup.
- **Simple setup** - Install the Zoo on any system in the workgroup and type the license keys into the Zoo instead of the individual systems.
- **A mixture** of workgroup nodes and standalone licenses on the same workgroup is supported.
- **Check out** - License keys can be checked out so laptop users can disconnect from the network. The key can be checked in again when the laptop is reconnected to the network.
- **Robust** - Workgroup nodes will keep working even if the network connection or server is down, but workgroup nodes cannot start up without access to the Zoo.

### Installation:

- [Download](#) the Zoo **free** of charge.
- Install the Zoo on any computer in your network workgroup.
- Install Rhino, Flamingo, Penguin, and Bongo on any or all of the computers in your network as workgroup nodes.

### Adding licenses:

- From the Zoo **Edit** menu, select **Add** and type the CD-Keys.  
License key numbers (CD-Keys) are located inside the back cover of the application User's Guide or in the front of the CD case.
- Or, check in existing stand-alone licenses from Rhino's **Tools** menu, select **License Manager->Check-in license**.

### Limitations:

- **Workgroup solution only** - The Zoo and all computers running the nodes must be in the same network workgroup behind the same network router. License requests do not pass through routers.
- **Firewall open** - If the computer running a node or the Zoo is using a **firewall**, be sure that **UDP port 138 is open**. It is likely to already be open, since Windows uses it for NetBEUI over TCP/IP.
- **Rhino 2.0 or 3.0 Educational Lab License** - The Zoo does not work with Rhino 2.0 or 3.0 educational lab license.
- **Rhino 2.0 or 3.0 on Asia Windows** - The Zoo does not work with Rhino 2.0 or 3.0 on Asian operating systems.
- **Not a service** - The Zoo is not a service on NT4, 2000, and XP. If you reboot the system with the Zoo, you must log in to the computer to start the Zoo.

...but, inexpensive products like [FireDaemon](#) can install and run the Zoo as a windows service... as far as we know.