

# X11 XQuartz Display Forwarding

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## Questions Addressed

- How do I SSH with X11 or XQuartz display forwarding from the [Barnyard lab computers](#)?

## You will need:

- **X11** or **XQuartz** (located in /Applications/Utilities/)
- an account with IGPP (**use this [account request form](#) to request a new account if necessary**)
- to be on UCSD network (if you are away from UCSD, login to VPN. Instructions on how to do this are located here: [How to VPN into the UCSD network](#))

## Procedure

1. Make sure that you are on UCSD network and have an IGPP OD account (required for SSH to Barnyard machines).
2. Open a **X11** or **XQuartz** window.
3. SSH into the [Barnyard machines](#) by typing: **ssh -Y *username*@igppgateway**
4. Test display forwarding by typing **xcalc**. A window should appear with a scientific calculator.

If you need further assistance, please [contact IGPP Help Desk](#).