TypeDef Demo Script

1. Open TypeDef Demo.lvproj.
2. Open Custom Control.ctl, TypeDef.ctl, and Strict TypeDef.ctl and arrange them vertically on the left side of your screen.
   1. Point out the dropdown menu that indicates which type of CTL each file is.
3. Open TypeDef Demo.vi and show its front panel next to the column of CTLs.
4. Add a Boolean push button to the cluster in each CTL.
   1. In TypeDef Demo.vi, point out that the **TypeDef** and **Strict TypeDef** controls are grayed out and Custom Control did not change.
5. For each CTL, select **File»Apply Changes**.
   1. Point out that this option is not available for the custom control. Each instance of the custom control is independent of the source CTL.
   2. In TypeDef Demo.vi, point out that **TypeDef** and **Strict TypeDef** updated to reflect the data changes to the source CTLs.
6. Change the background color of each CTL cluster.
   1. In TypeDef Demo.vi, point out that the **TypeDef** and **Strict TypeDef** controls are grayed out.
   2. This is because the VI detects that the source CTLs have changed, but does not know the extent of the changes yet.
7. For each CTL select **File»Apply Changes**.
   1. In TypeDef Demo.vi, point out that **Strict TypeDef** updated to reflect the cosmetic change to the source CTL.
8. In TypeDef Demo.vi, attempt to add a new control to each cluster.
   1. Only **Custom** **Control** allows you to make datatype changes to the cluster.
   2. The other clusters are tied to the data type of the source CTL.
9. In TypeDef Demo.vi attempt to modify the background color of each cluster.
   1. **Custom Control** and **TypeDef** allow you to make this cosmetic modification to instances of the CTLs.
   2. **Strict** **TypeDef** does not allow you to make even cosmetic changes to the appearance of the cluster.