# Mini-NDN improvements

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▶ **Summary**

The current Mini-NDN is a bit tricky to install and use, especially for people new to NDN. NDN packages are compiled and installed from the source, and there many weak spots that lead to installation failure. Fixing the failure is painful and even discouraging. It lacks a helper for a basic traffic generator and consumer-producer, mostly viewed as a starting point by the new users. Some of the documents and video demo are outdated.

▶ **Tasks**

   ▶ Helper for ndn-traffic-generator and a basic consumer producer
   ▶ Mini-NDN GUI topology editor and documentations
   ▶ Improve Mini-NDN installation script and Vagrantfile, install ndn packages from PPA and investigate python compatibility issues
   ▶ Improvements in user guide with a very simple topology and adding demo video

▶ **Required Knowledge**

   ▶ Basics: Mini-NDN, Python, Shell, Vagrant, C++

▶ **Expected Outcome**
Improved Mini-NDN, easy to install and play