List of package manages to look into : (Must have)

1. Apt,
2. Apt-rpm,
3. Yum,
4. Yast (optional?)

Optional :

1. Pacman,
2. Portage,
3. Slaktook,
4. Urpmi

Analyzing procedure:

Look into ‘A Look in the Mirror: Attacks on Package Managers’ paper.

Threat modelling:   
Section 3 of the above mentioned paper. (seems good enough)

Attacks:  
Arbitrary attack, Reply attack, Freeze attack, Extraneous dependencies, Endless data. (but context?)

Analyzing and comparison:

No idea. (need to look around a bit more)