

DPCS - use cases

1. User doesn't have required software:
 - example: while coding software engineer needs python3 but has python2.
 - solution: install required software
 - for whom: all ubuntu users
2. User have some problem with hardware
 - example: user swap is overloaded
 - solution: kill process which takes more memory than others
 - for whom: user who never heard about swap, kernel or memory
3. User make some typo in console
 - example: "sudo atp-get" instead of "sudo apt-get"
 - solution: run command again without typo
 - for whom: all users
4. Update failed
 - example: repository address changed and computer doesn't know new address
 - solution: find new address
 - for whom: all users
5. Security problems
 - example: system was infected with malware
 - solution: remove the malware automatically or inform user about suspicious behavior and let him decide
 - for whom:
6. Regressions and new bugs in new version of packages
 - Example: new version of some package has a bug which occurs only in some specific circumstances
 - Solution: DPCS learns which configurations cause the bug and informs developers about them
 - for whom: developers of packages