

Rights Delegation - Specifications

Rights Delegation	
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1 - Backlog

Version	Date	Author	Status	Comments
1.0	12/07/07	AN, FC		First version

Summary

1 - Backlog.....	2
2 - Objectives.....	3
3 - Description.....	3
4 - Implementation.....	5
5 - Integration.....	5

2 - Objectives

Delegation rights must provide a way to:

- ✓ make life easier for users in daily use of Mandriva
- ✓ while keeping sufficient security level
- ✓ and adapt delegation depending of required security level

3 - Description

Rights Delegation will be managed through Mandriva msec by default. Below is a description about all tasks to be taken into account and kind of password requirement in default level (3).

	no password	user password	root password
net_applet			
✓ information, switch/activation of network	X		
✓ network configuration	X		
✓ VPN activation	X		
Time management	X		
Drakconf			
Packages management			
✓ updates		X	
✓ installation			X
✓ delete			X
✓ medias management			X
Hardware			
✓ harddrake			
○ information		X	
○ configuration			X
✓ Xfdrake		X	
✓ Drak3D (to be defined)			
✓ TV		X	
✓ Keyboard	X		
✓ Mouse	X		
✓ UPS			X
✓ Printing / Scanning			
○ jobs management	X		
○ add new detected printer	X		
○ other configuration			X

	no password	user password	root password
Network			
✓ hosts definition			X
✓ drakconnect			X
✓ network center		X	
✓ connection share			X
✓ proxy management			X
✓ VPN management (configuration)			X
✓ network profiles			
○ swith profile	X		
○ configure profile			X
System			
✓ authentication			X
✓ menu style		X	
✓ connection manager			X
✓ services			X
✓ Windows font		X	
✓ languages			X
✓ system logs			X
✓ root console			X
✓ users management			X
✓ backup			X
✓ time management	X		
Mount points			X
Security			X
Start			
✓ graphical theme		X	
✓ boot manager			X
✓ autologin			X

For other levels, we will adapt delegation depending of msec security level.

4 - Implementation

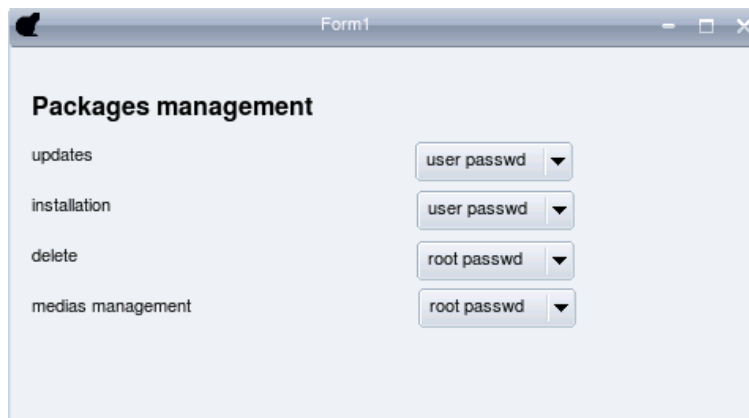
There are mainly 2 ways to implement it:

- ConsoleKit/PolicyKit
- consolehelper, using PAM authentication

First solution is to be implemented, at least ConsoleKit. PolicyKit is not fully stable for now and will not be reliable enough for 2008. Then we will choose consolehelper.

5 - Integration

Right delegation will be available through msec by default. But it will be also possible to modify rights through draksec in a new tab using such template:



Packages management	
updates	user passwd ▼
installation	user passwd ▼
delete	root passwd ▼
medias management	root passwd ▼