

From one forest to another one ?



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Outline

- Our W2000 Domain
- A new anti-virus
- New unknown PCs
- A new forest !
- Summary



Our W2000 domain

- Created in June 2000
- Dapnia.saclay.cea.fr or DAPNIA
- 350 PCs now
 - 250 desktop PCs
 - 80 laptops
 - All the new PCs
 - Migration (reformat) of old ones



An old Nice NT Domain

- Always 80 Nice NT PCs
- Stopped the 1 January 2003!!!
 - Upgrade to W2k (after upgrading the memory)
 - Replace the old ones
- Always 200 W95/98 PCs (not managed)
- Wincenter → WTS



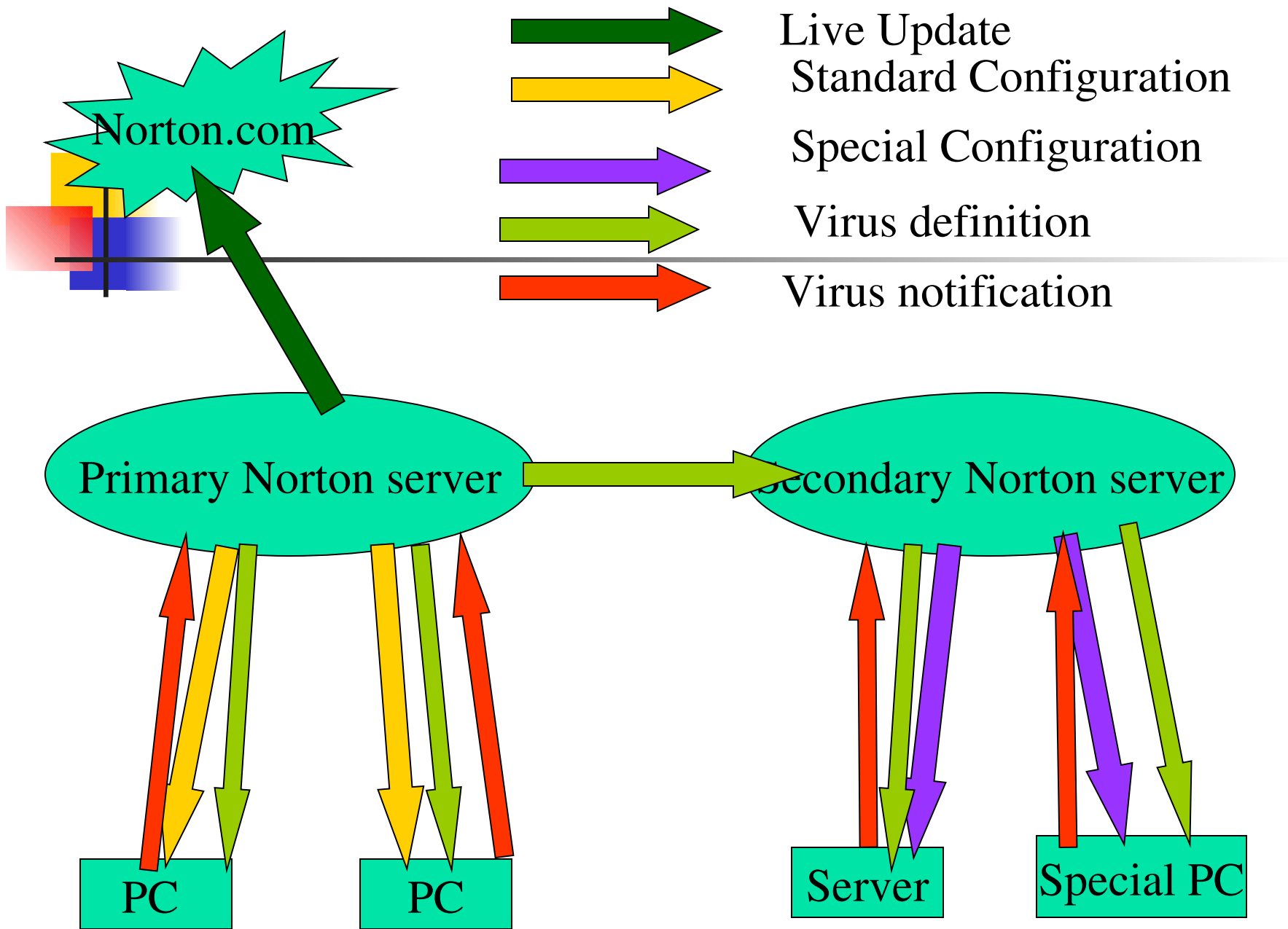
At the end of 2002...

- Only one W2K domain
- + rest of NT 4 domain
 - File server
 - Some 95/98 PCs (→ in the W2K domain ?)
- A other NT 4 domain with Exchange 5.5
- Perhaps a little optimist ...



A new anti-virus

- CEA decided to buy 16000 Norton Antivirus Corporate Edition licenses!!!!
- A centralized solution (by department)
- Norton has to be installed on every PC
- Nimda arrived in November in DAPNIA and is always alive...





Norton CE Pbs

- Only one configuration by server
 - Dapnia: one server with blocked configuration
 - One server with free configuration
- Norton for Mac is not centralized
- Norton client on a W2000 server: if connected via terminal services, pbs
- Norton client doesn't work on WTS: must install Norton Server!!!



Norton CE: Summary

- In place since 1 month
- Already 450 clients
- 15 PCs attacked by day (Nimda via network shared or Js.Exception.Exploit via IE...)
- a good way to verify the shares without permissions (W9x) or bad permissions



The new PCs

- During the last 5 years
 - We (DAPNIA) choose our PCs
 - Only Dell
Latitude/Optiplex/Workstation
 - Reinstalling every PC via Floppy disk
(Nice NT4 or W2k)
 - A very homogenous park
- But...



CEA has decided...

- A CEA command every 6 months
- 5 different sorts of PCs
 - Light portables
 - Normal portables
 - Desktop PCs
 - « Physics » PCs
 - Special PCs



The new PCs...

- 10 <> sorts of PCs by year
- The first command
 - CEA: 1300 PCs
 - DAPNIA: 150 PCs
 - Must arrive in April/May (?)
- Can we reinstall them via floppy disk?
- How can we manage 150 PCs in a short time?



A new forest...

- Yesterday, the DAPNIA
- Today, the DSM
- Tomorrow, the CEA
 - A CEA domain
 - A CEA tree
 - A DSM forest + a CEA forest



Yesterday

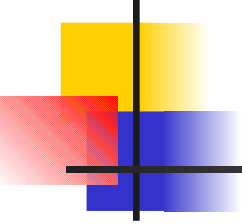
- DAPNIA
 - 700 Persons
 - 700 PCs
 - One W2K domain/tree/forest
dapnia.saclay.cea.fr
 - One NT 4 domain declining
 - 2 Windows system administrators



Today (since February 2002)

- DSM: Direction des Sciences de la Matière (Saclay)
 - DAPNIA (700 persons)
 - DRECAM
 - 600 persons
 - 600 PCs
 - 2 NT 4 domains
 - 2 Windows system administrators

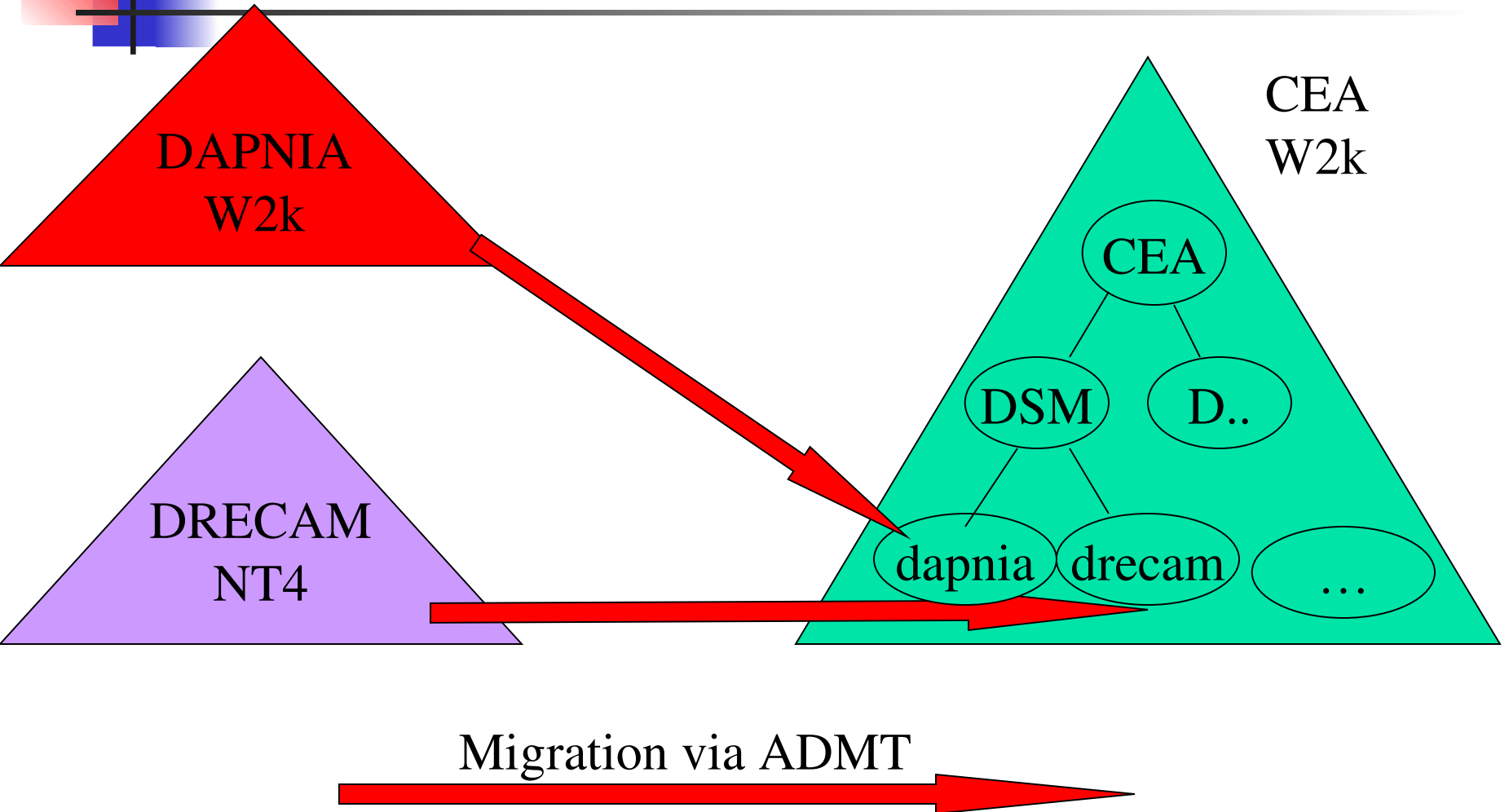
**Must be managed by the same team
with the same way**



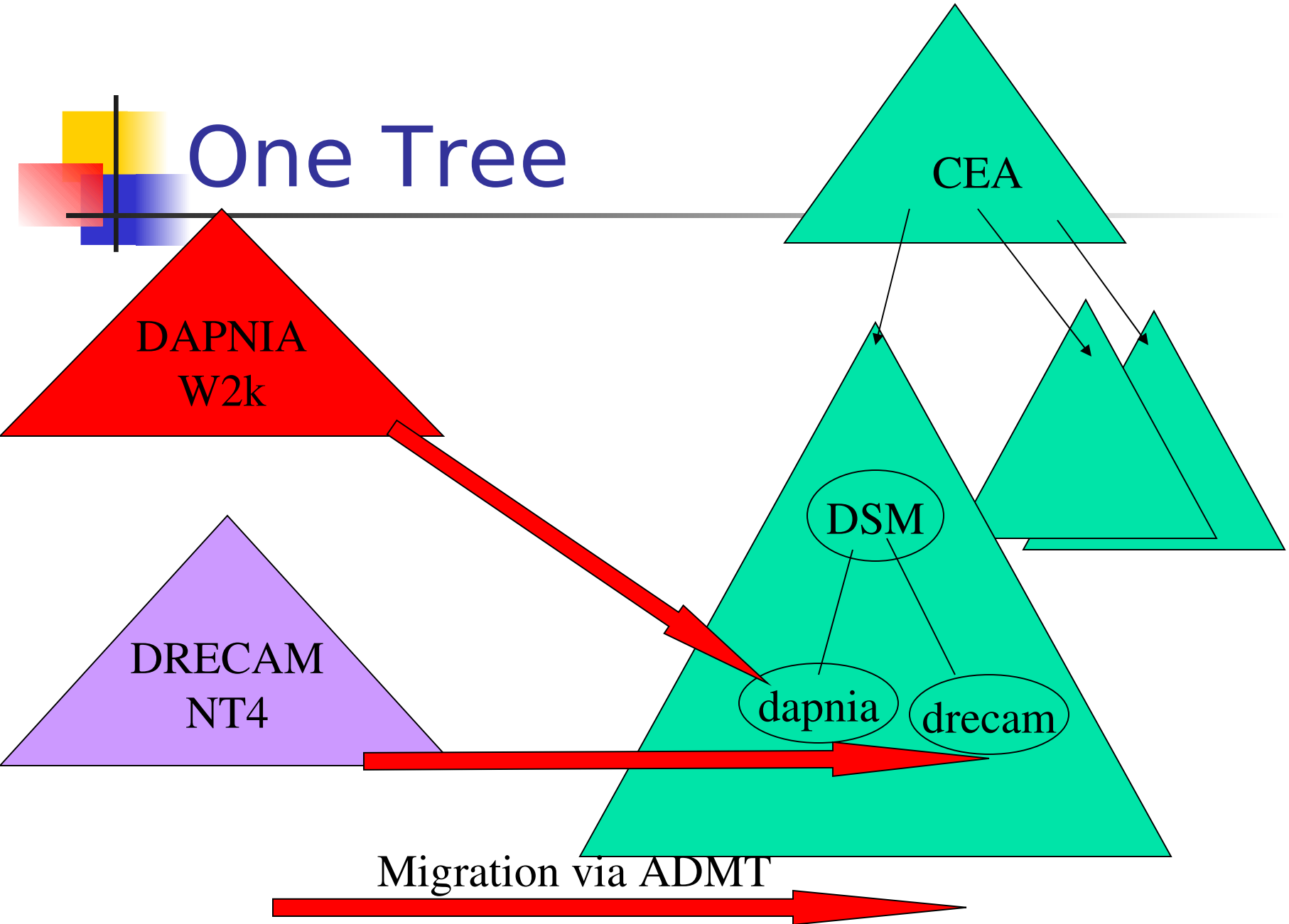
Tomorrow, (1 January 2003)

- CEA civil
 - 7000 persons
 - 7000 PCs
 - 40 (?) NT 4 independent domains
 - No W2k domain (but DAPNIA)
- CEA wants to create a CEA forest

One CEA Domain

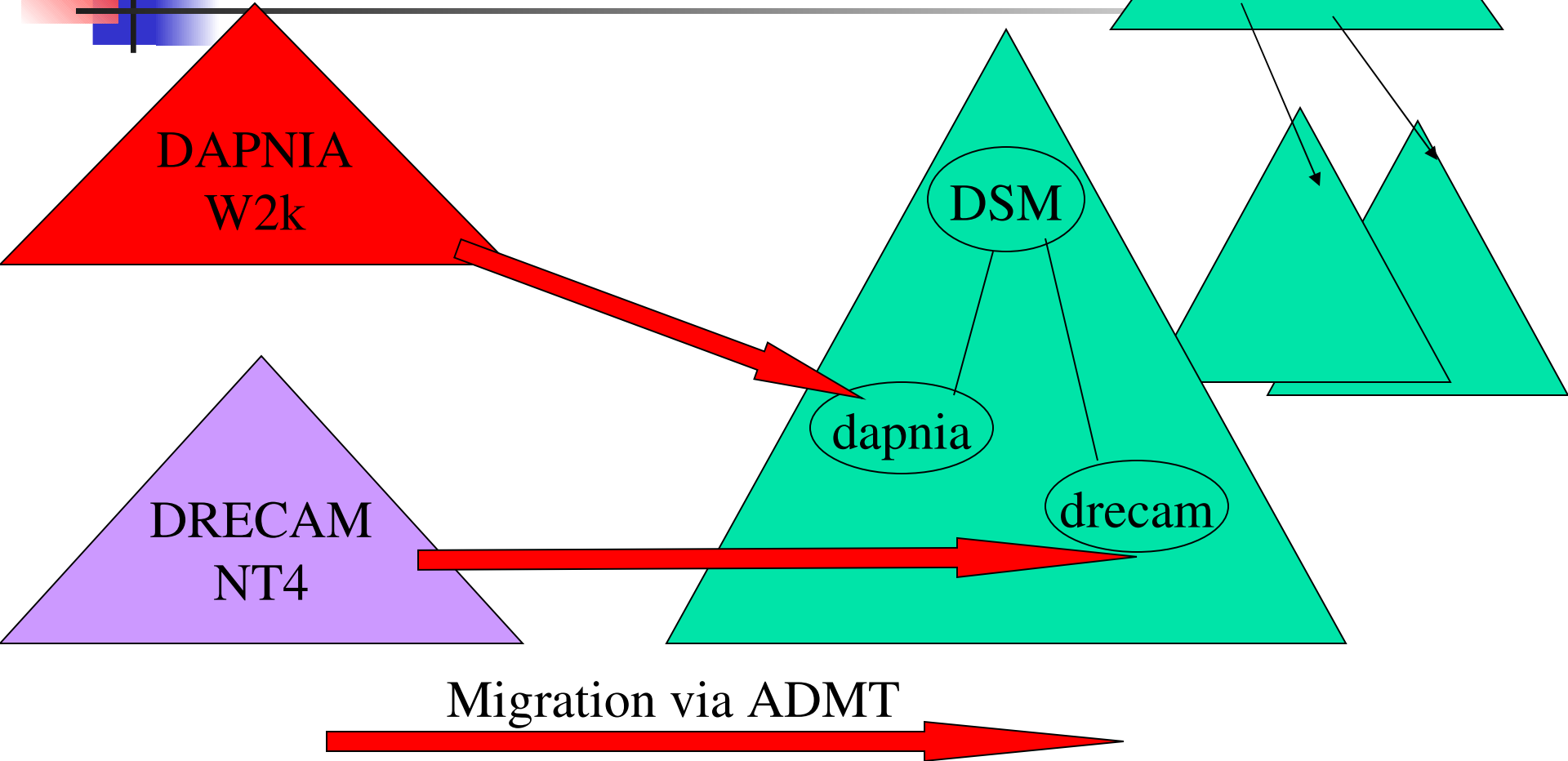


One Tree

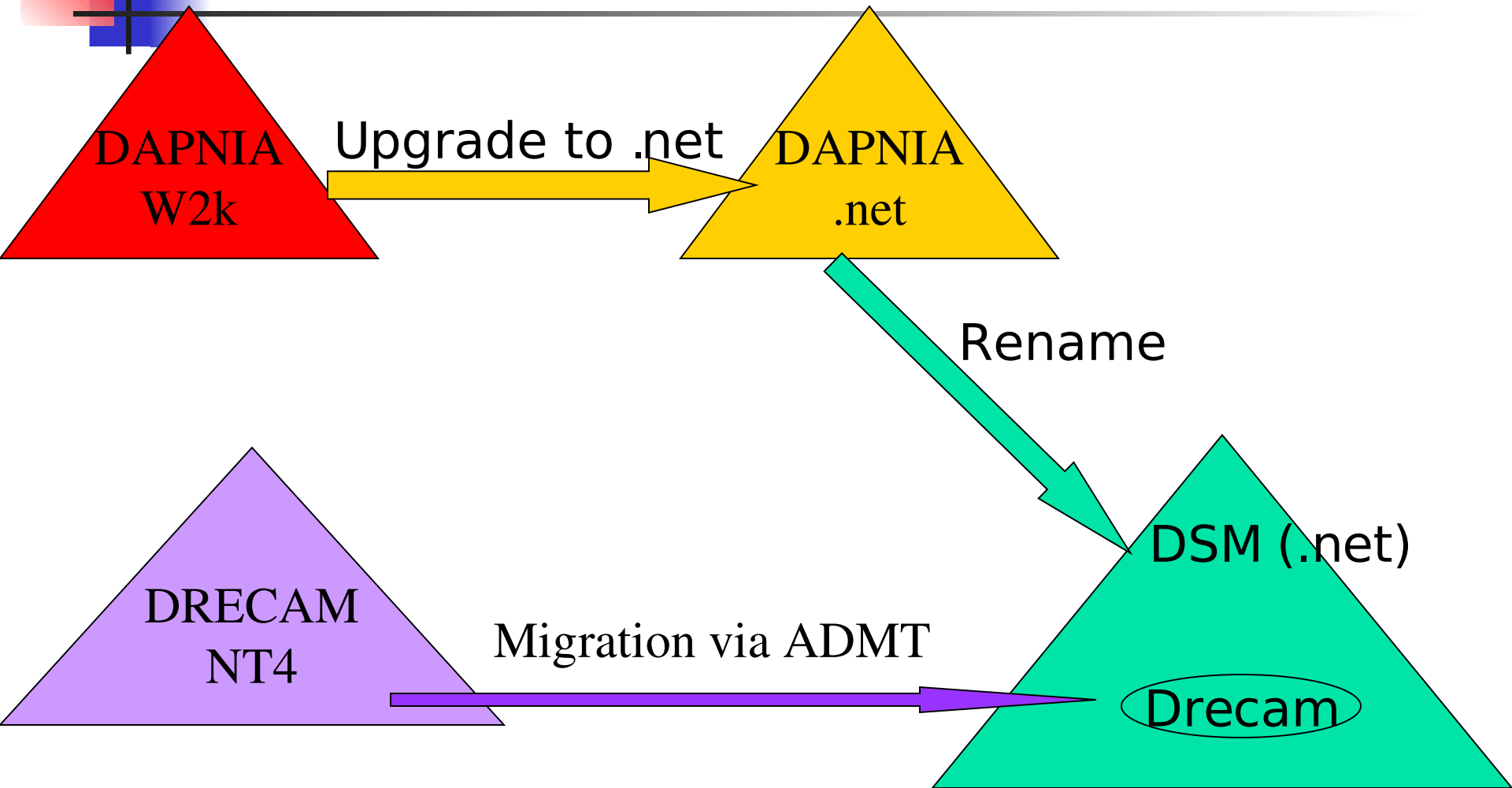




2 Forests



2 Forests: 2nd Solution





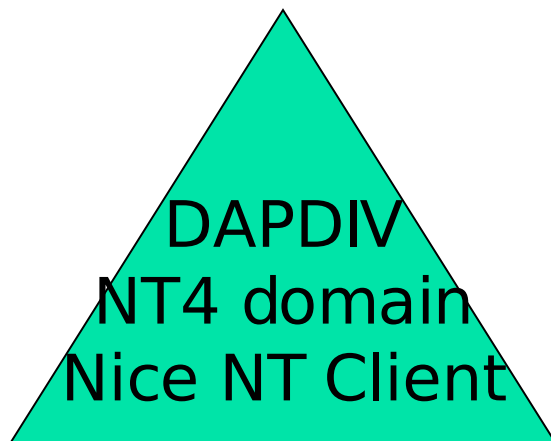
The choice

- Not only a technical solution but a political solution
- 2 forests is the best for the security
- One domain is the Microsoft solution
- Decision in September max.
- Perhaps to early to Windows.Net

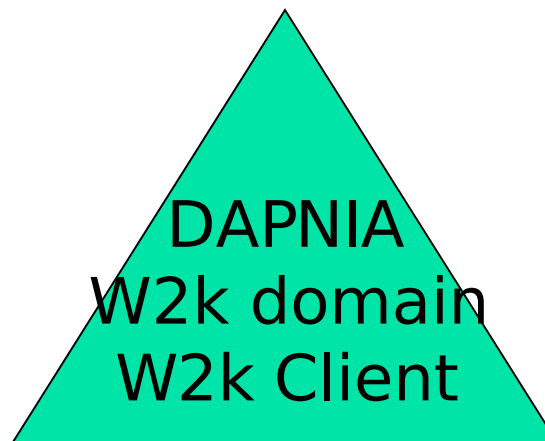


Summary

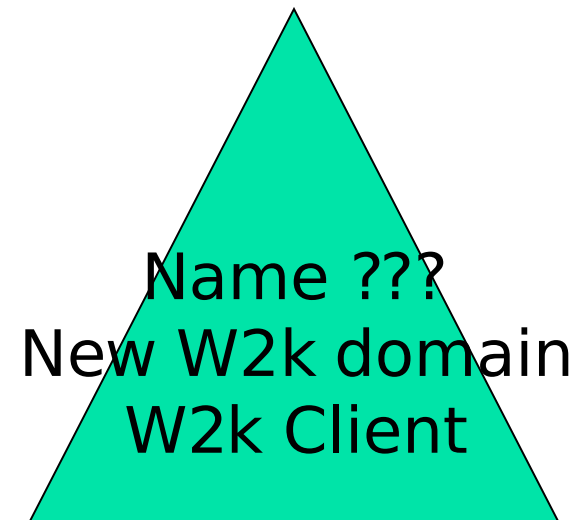
- We have to migrate the most as possible to the W2k domain
- Prepare to migrate to a new forest.
- For the end-user,



...2000



2001/2



2003...