System testing with product team

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Information Society

What will change

- Certification testbed is no more centrally maintain
- The production version of each product is chosen by the product team
- The integration failure will be the responsibility of the products team

What is a ...

- **A product is a set of tools to provide functionalities**
  - product server / product client / product common / product dev
- **A node type is a set of product parts**
  - product foo server
  - product bar client
  - product XX client
  - ...
- **The problem that a product is not always a node type**

An example

User Interface
Dcache clients
DPM / LFC clients
edg gridftp
edg-wl
amga client
ce-cream
data-* clients
wms / lb clients
dgas clients
rgma clients
globus
service discovery
voms clients
misc ...

The User Interface is a good example because it contain all clients and development products available (or almost)

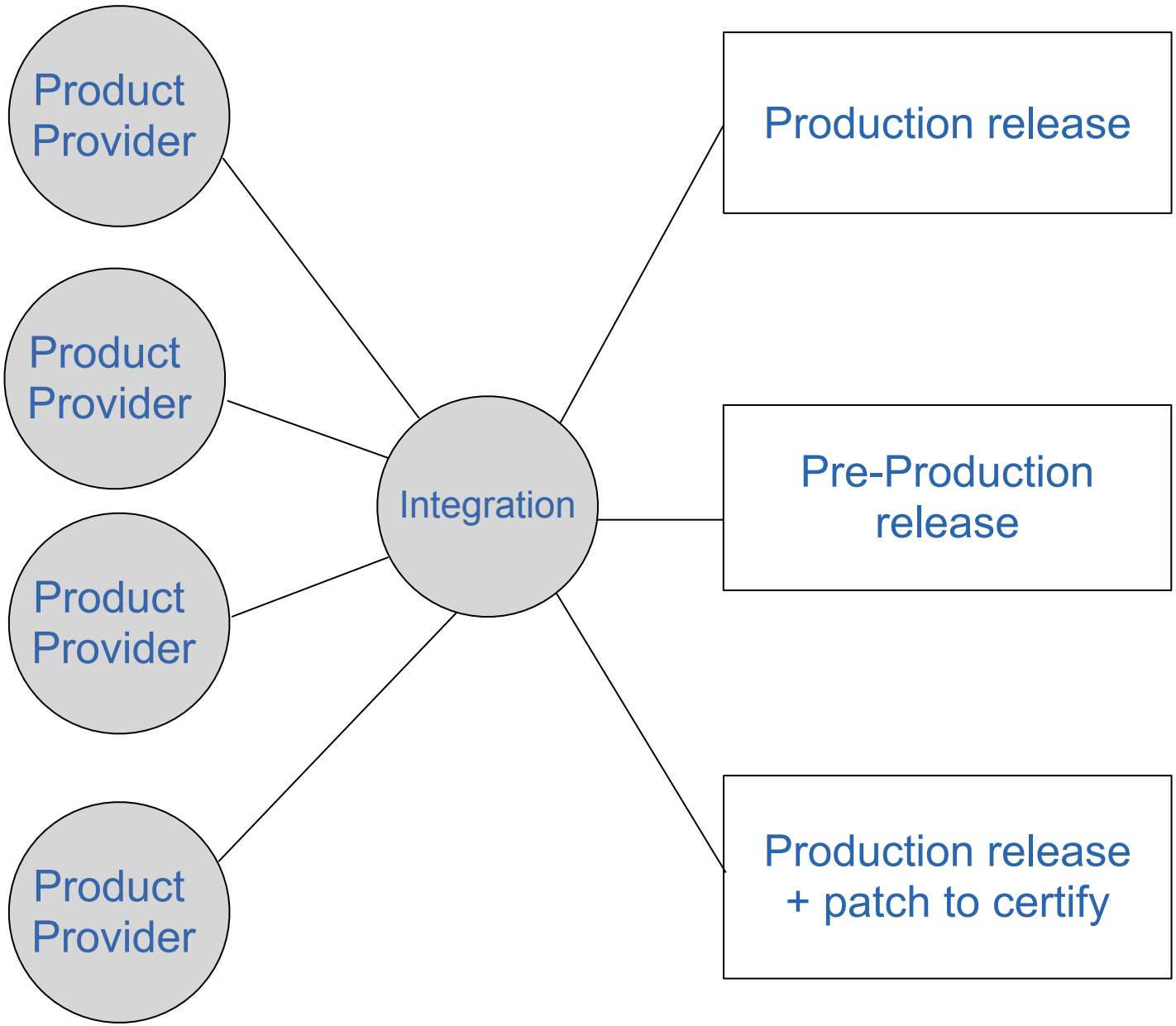
How to maintain the nodes up-to-date and properly configure ?

How to use a reliable infrastructure to certify the product ?

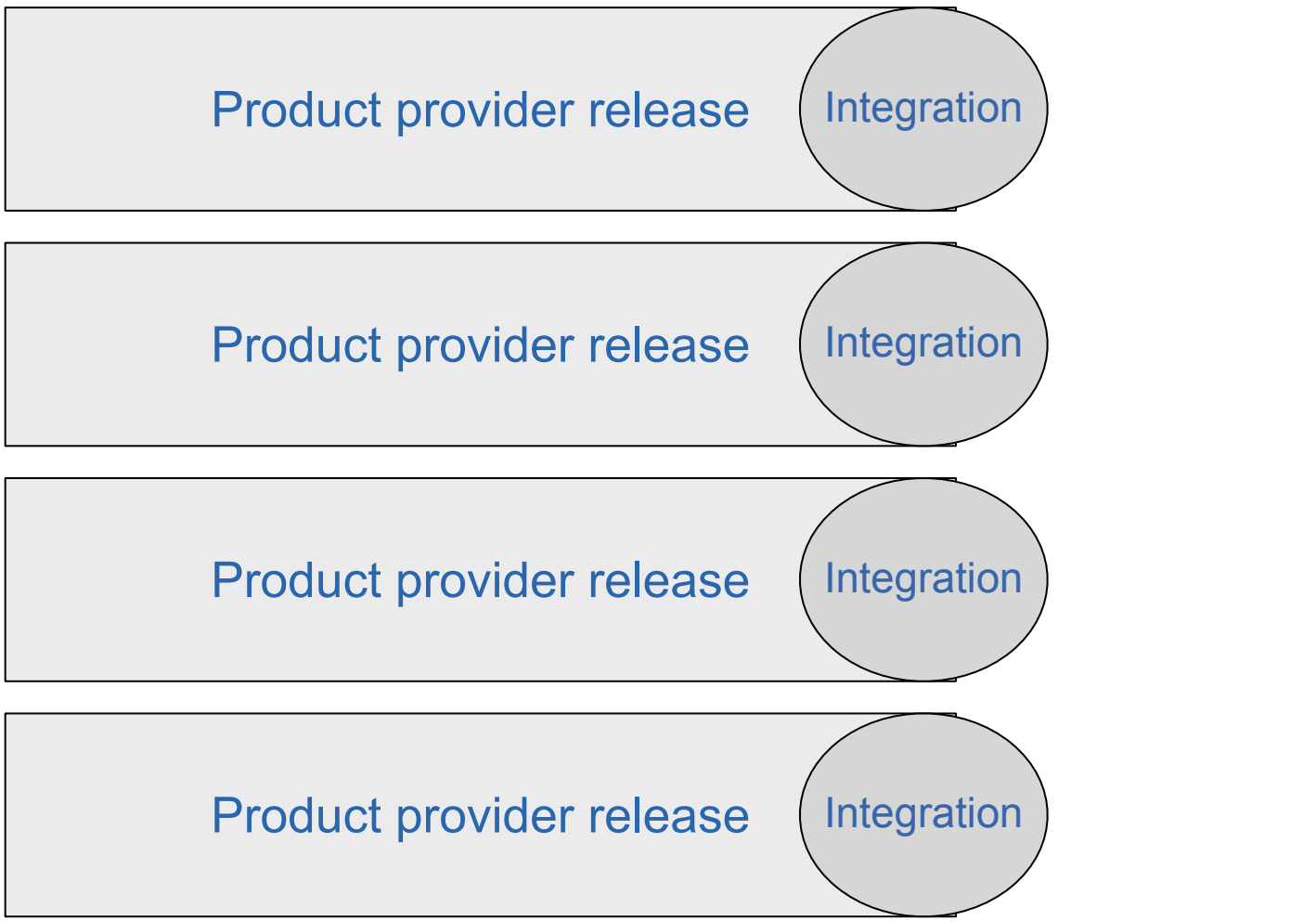
Product provider

- Source code for the product
- Binaries for the product
- Configuration tool
- A common point to get informations
- Configuration information
- User documentation
- Service to maintain the product part of the testbed

Now


Product Provider
Product Provider
Product Provider
Product Provider
Integration
Production release
Pre-Production release
Production release + patch to certify

What EGI want



One of the possible “solution”

- Each product team provide a set of repositories for integration by the other product team
  - With a set of meta-product packages (server / common / client ...)
- A node type is a group of meta product
- To install a site we used the set of repositories provide by the other products team and we are up-to-date
- We can also try to maintain a kind of central testbed maintain by all the products team

Node installation

Each product provide .repo files, one per version

- All those repository contain a set of meta-Product :
  - client / server / common / dev

To install a node :

- Choosing the right set of .repo files
- Install the set of meta-Product

To use it with the central Testbed we need to “play” with the information system

Problems

- All the inter-dependancies
- Externals packages version
- Reliability on the service configuration re-configuration
- Packages files conflict
- Coordination does not exist anymore

Conclusion

Do you think it can work ??