



























Value increases with level of abstraction

- Since both the PSM and the code are generated from the PIM, the PIM has the highest business value
- However, need an MDA tool which is capable of doing the mappings
 Such tools have started
- emerging and are still being developed further





How do we get a PIM??

We've seen the main concepts of MDA

Software development using a platform independent model (PIM)
 Mapping of PIM to a platform specific model and subsequently to platform specific code

But how do we actually create a PIM?

Object Oriented Analysis etc.

An interesting alternative: Archetype patterns
 See http://www.cs.ucl.ac.uk/staff/c.mascolo/www/arlow.pdf and booklist on last slide

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	Conclusions				
10	odel Driven Architecture used to:				
-	Achieve true platform independence				
-	Construct software models that stay consistent even when technology changes (using PIMs)				
-	Increase productivity and efficiency by being able to focus on the problem domain rather than the implementation domain				

Ensure easy information exchange between different technologies and applications by using open, platform neutral information model standards (such as XML)

· However:

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People with different skill sets might be required for this way of engineering software
 Very sophisticated tools are necessary

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 Remember I Archetype P Arlow for his you can find http://www. 	Dr. Jim Arlow's seminar on MDA and 'atterns last year? I would like to thank Jim ; presentation and very helpful handouts, which on the web: cs.ucl.ac.uk/staff/c.mascolo/www/arlow.pdf		

