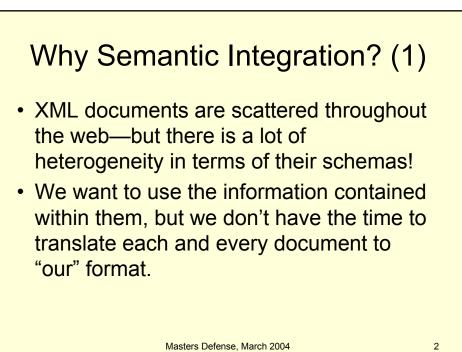
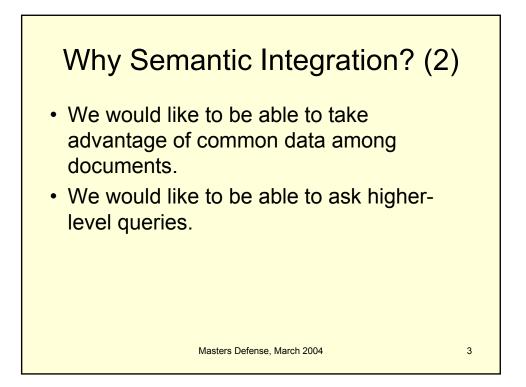
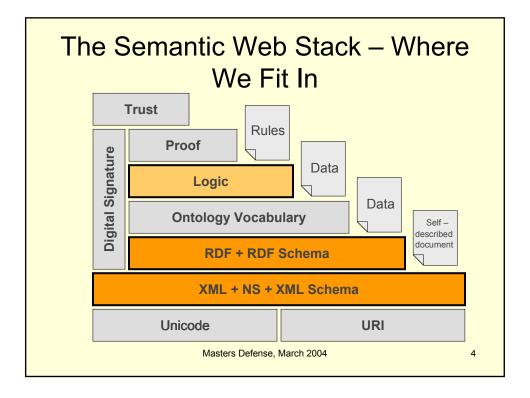
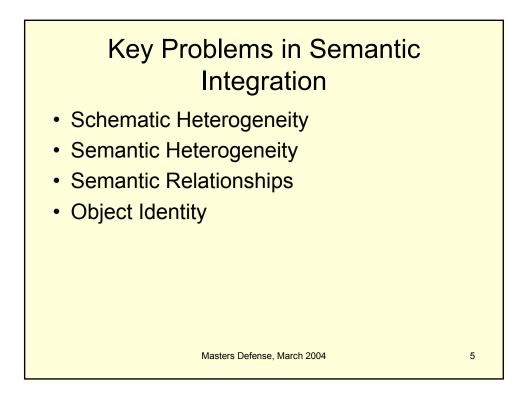
Semantic Integration of XML Using a RDF Global Mediator Feihong Hsu Masters Thesis Defense March 10, 2004

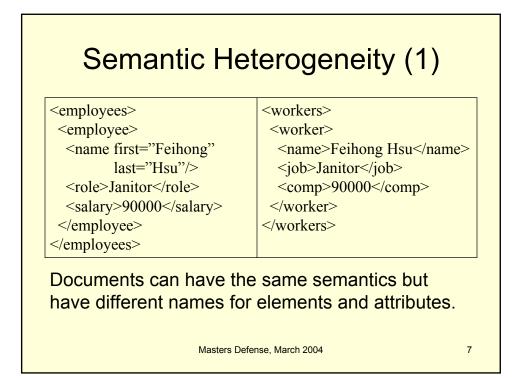


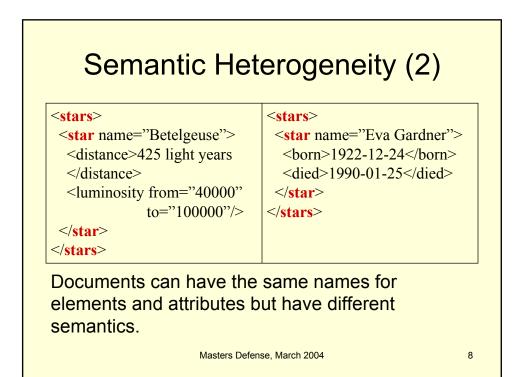






<actors> <actor name="B. del Toro"> <films> <film title="21 Grams"></film> <film title="Traffic"></film> </films> </actor> Documents can contain t</actors>	<films> <film title="21 Grams"> <actor name="B. del Toro"></actor> </film> <film title="Traffic"> <actor name="B. del Toro"></actor> </film> </films>
--	---





Semantic Relationships (1)

<cars>

<car model="Miata MX-5"></car>
<manuf>Mazda</manuf>
<msrp>\$22,388</msrp>

<trucks> <truck model="Ram SR-10"> <manuf>Dodge</manuf> <msrp>\$45,000</msrp> <truck> </truck>

What if you wanted to do a search for information involving Automobiles (a hypernym of Car and Truck)?

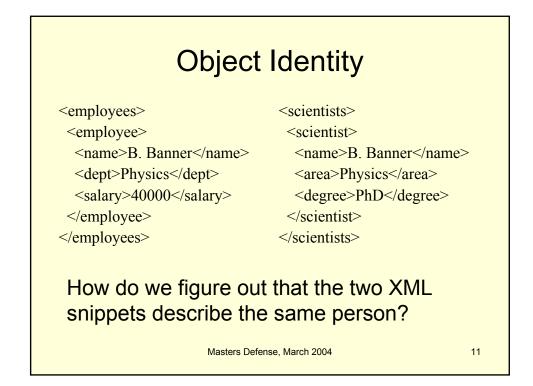
Masters Defense, March 2004

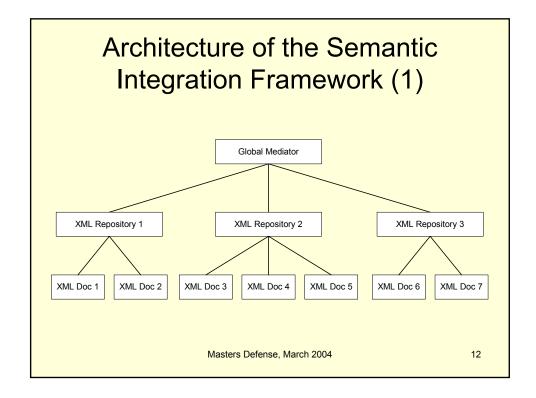
Semantic Relationships (2) What if you wanted to <cars> <car model="Miata MX-5"> do a search for <manuf>Mazda</manuf> Coupes? <doors>2</doors> </car> (Coupe is a hyponym <car model="EuroVan MV"> of Car—it's a Car that <manuf>VW</manufact> has only 2 doors.) <doors>4</doors> </car> </cars>

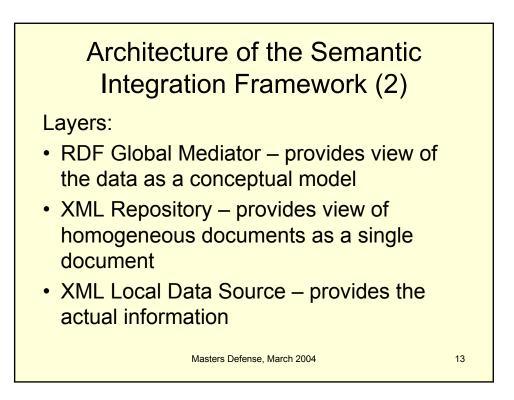
Masters Defense, March 2004

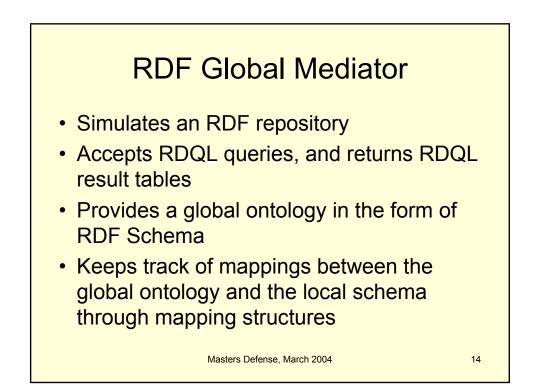
10

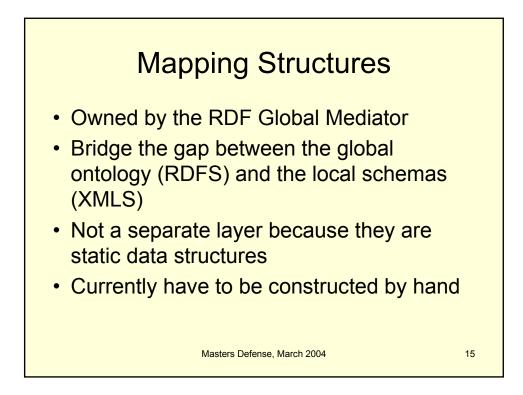
9

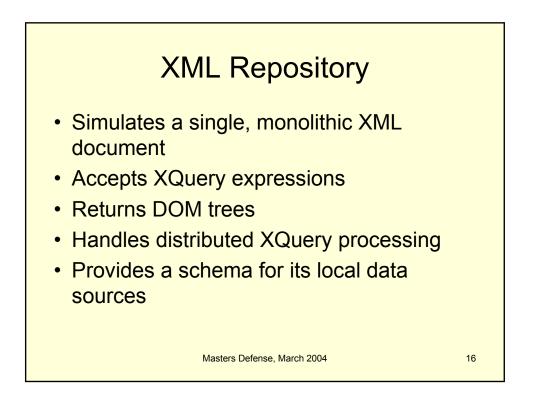


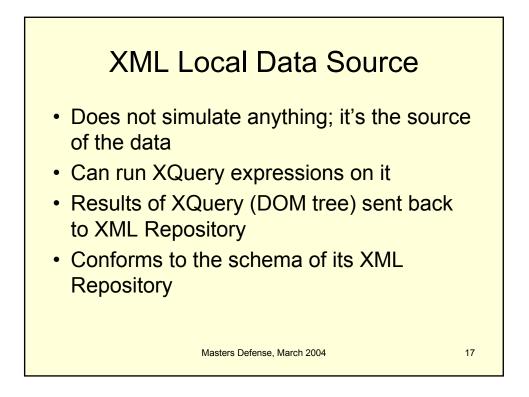


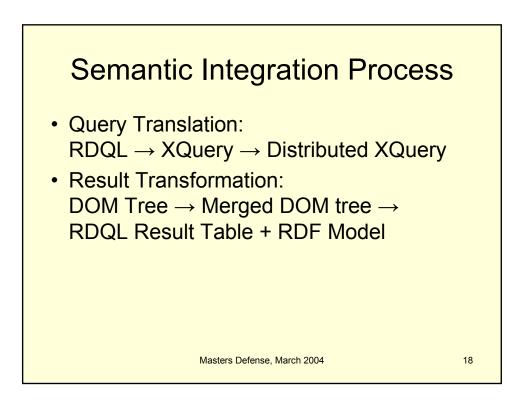


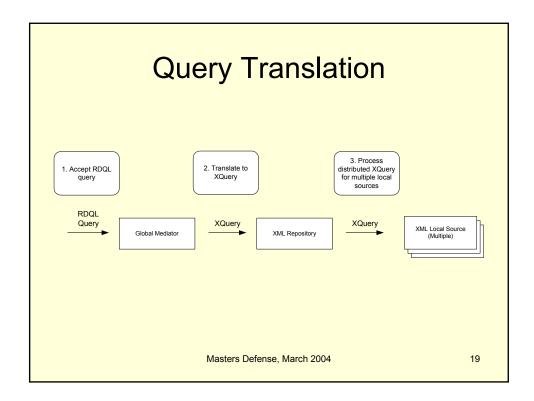


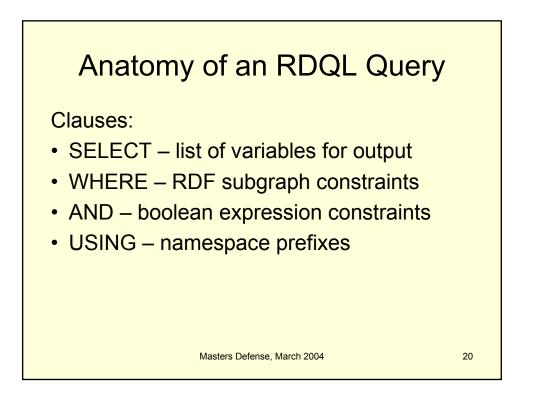


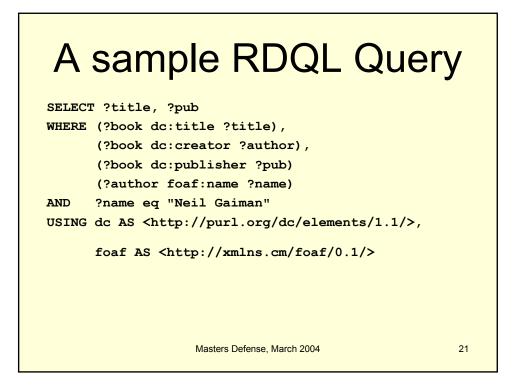


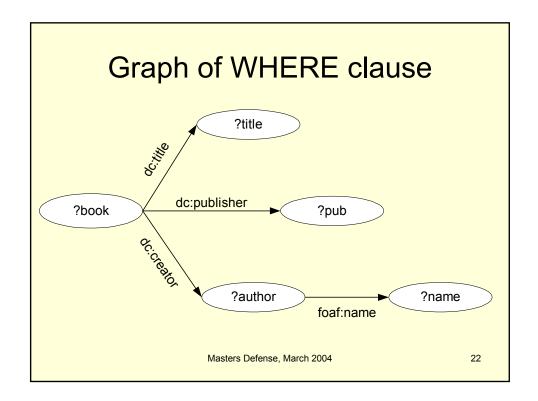


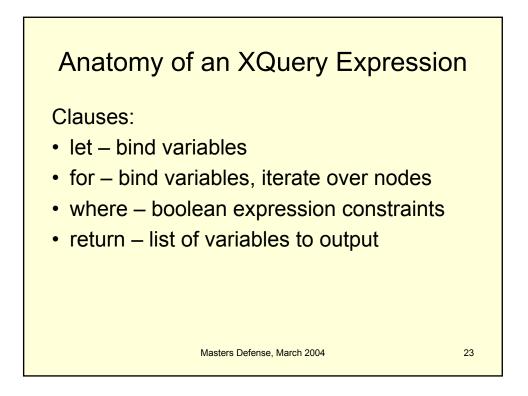


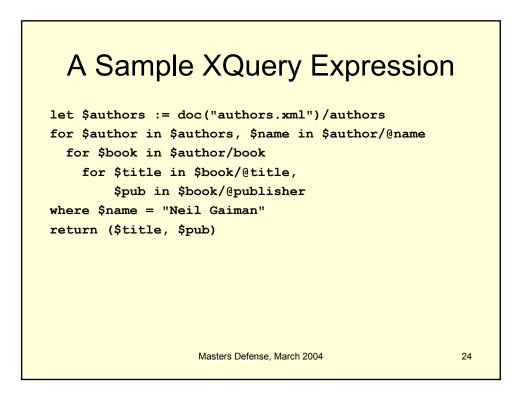


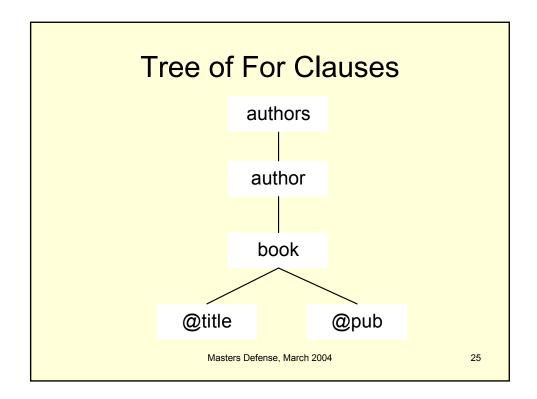


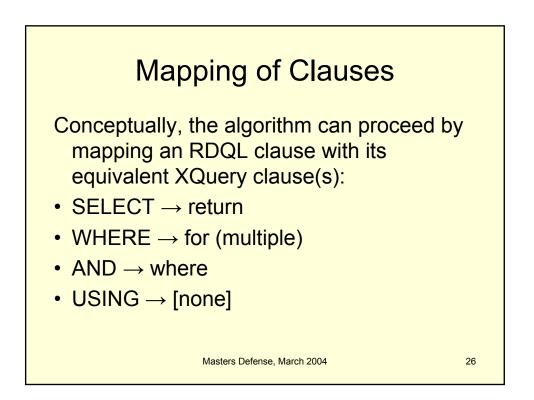


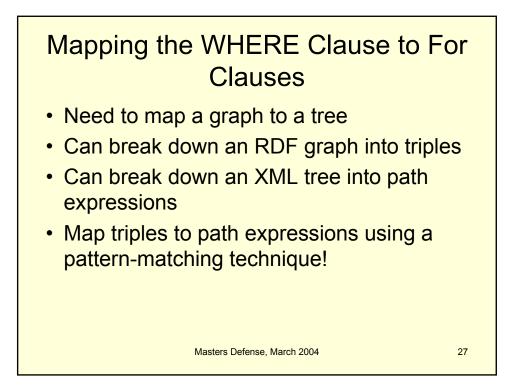


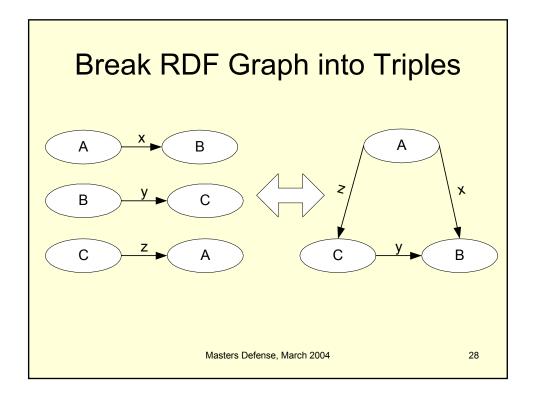


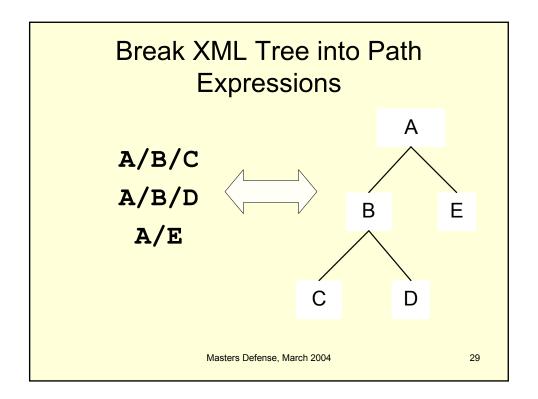


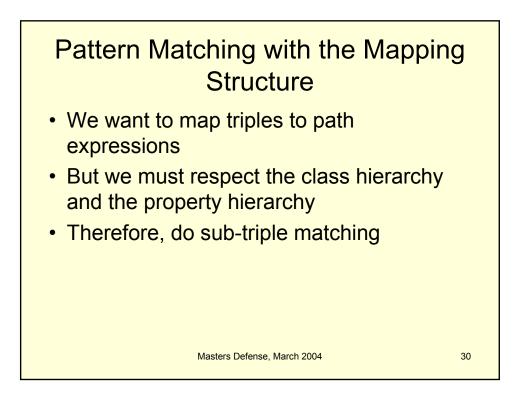


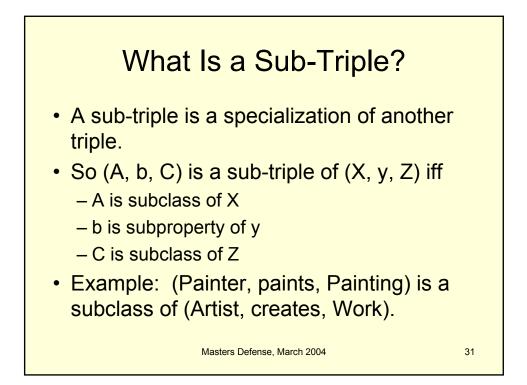


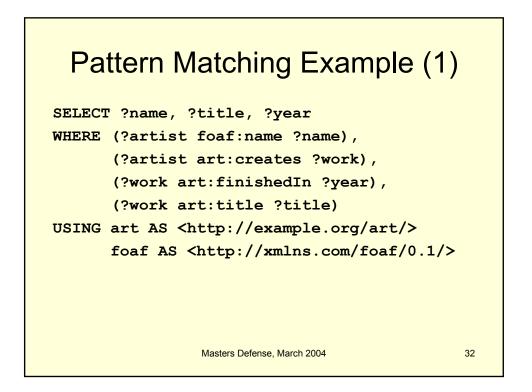


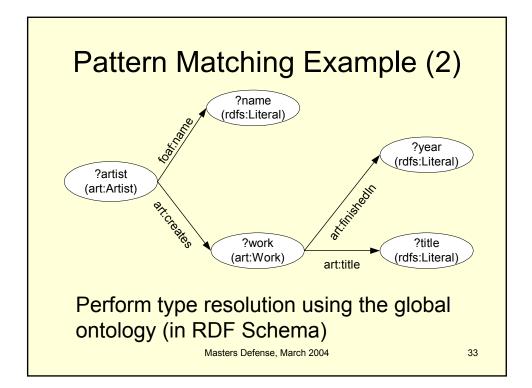












Pattern Matching Example (3)		
art:Novelist, art:writes, art:Book	/novelists/novelist/book	
art:Novelist, foaf:name, rdfs:Literal	/novelists/novelist/@name	
art:Book, art:title, rdfs:Literal	/novelists/novelist/book/@title	
art:Book, art:finishedIn, rdfs:Literal	/novelists/novelist/book/@year	
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