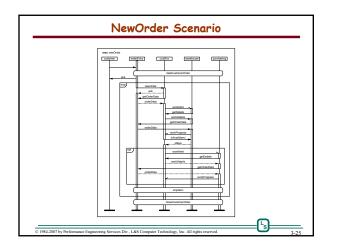


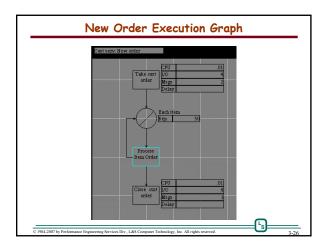
Case Study Electronic virtual storefront, wasteBucks.com
Use cases:

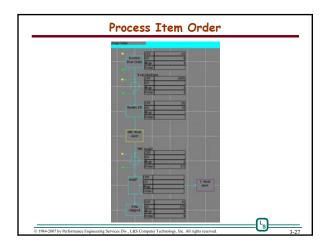
Take customer order
Fulfill orders
Ship orders
Order merchandise

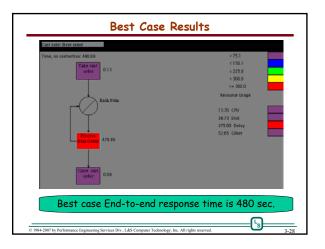
Key object: Customer service component

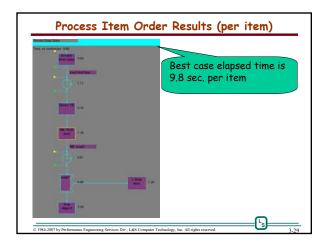
collect completed orders,
initiate tasks in other components,
track status of orders in progress,
etc.

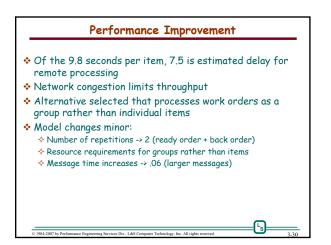


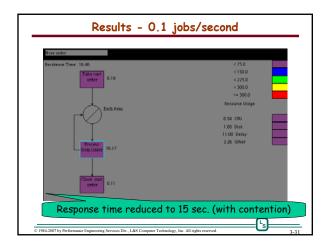


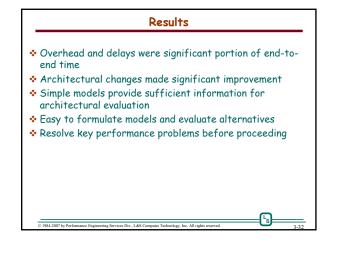


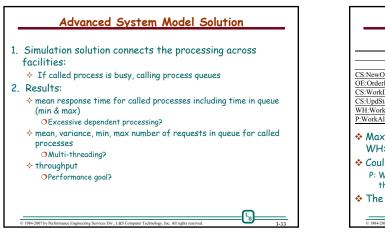












Advanced Model Results								
	Response Time (secs.)				TPut	Queue		
-	Mean	Min	Max	Variance		Mean	Max	Time
CS:NewOrder	14.4	0.8	72.7	79.51	.1			
OE:OrderData	0.16	0	2.6	0.05	.5	0.092	5	0.19
CS:WorkDetails	0.2	0	3.7	0.05	.3	0.057	2	0.19
CS:UpdStatus	0.1	0	4.4	0.04	.3	0.004	3	0.01
WH:WorkAlert	1.3	0	9.1	1.14	.2	0.122	9	0.62
P:WorkAlert	1.4	0	9.3	1.16	.1	0.019	3	0.193
<ul> <li>Max queue length &amp; queue time suggest more threads for WH: WorkAlert for scalability</li> <li>Could show potential "lock-step" problems:</li> <li>P: WorkAlert response time slightly higher than WH:WorkAlert even though throughput is lower</li> </ul>								
The most	impor	tant	results	s came fi	rom e	arly n	nodels	!
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