

ORACLE DEVELOPMENT TOOL TRENDS

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Introduction

Application development tools change over time as new technologies are developed and new tools replace old tools. Better “best practices” develop as niche products move into the mainstream.

Much tool usage information is marketing hype or anecdotal so we at ODTUG are attempting to collect real-world experience for current tool usage by application developers using the Oracle database through a survey data collected over many years.

The ODTUG Board of Directors developed the survey questions. Special thanks to Marc de Oliveira for suggesting the concept of “how productive do you find the tool”.

The Survey

A major part of this study is survey data collected over several years so we can identify trends and make projections. To stay relevant we add and drop specific tools from year to year but we ask the same questions every time we collect data.

For each tool included in each survey we ask for information on usage:

- How many years have you used the tool?
- How much have you used the tool in the last six months?
- How is your development work with this tool divided?
- How much has the tool been used in your organization for the past six months?
- What version of the tool are you using?

And productivity perceptions of the tool:

- What is your perception of how much the tool is being used by other companies that use Oracle databases?
- How much do you think you will use the tool two years from now?
- How effective do you find this tool? (Does the tool create modules that meet the application requirements?)
- How productive are you with this tool? (Are you able to create modules efficiently and accurately?)

We included a set of questions that Oracle uses to gauge “customer satisfaction”.

Finally, the survey includes demographic and support option usage sections.

We have executed the following surveys:

Survey Dates	Tools	Response Count
2005: 18 Jun 2005 – 14 Nov 2005	Oracle Forms, Oracle Reports, Oracle Designer, HTML DB, JDeveloper, .NET, Oracle Warehouse Builder	283
2006: 11 Dec 2006 – 22 Dec 2006	Oracle Forms, Oracle Reports, Oracle Designer, Application Express, Oracle JDeveloper, .NET, Oracle Warehouse Builder	108
2008: 9 Nov 2008 – 25 Feb 2009	Oracle Forms, Oracle Reports, Oracle Designer, Application Express, Oracle JDeveloper, Eclipse, Oracle Warehouse Builder, Web Center, Essbase, Essbase Excel Add-In, Hyperion Smart View for Office, Weblogic Server, WebLogic	581

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	Portal, AquaLogic, BEA Workshop, SQL Developer	
2009: 20 Oct 2009 – 30 Dec 2009	Oracle Forms, Oracle Reports, Oracle Designer, Application Express, JDeveloper, Eclipse, SQL Developer, SQL Developer Data Modeler, Oracle Data Provider for .NET (ODP.NET), Oracle Warehouse Builder, Oracle Business Intelligence, Enterprise Edition, Essbase, Essbase Excel Add-In, Hyperion Smart View for Office, Hyperion Planning, Hyperion Financial Management, Oracle Service Bus (BEA AquaLogic), Oracle Business Process Analysis Suite, Oracle WebLogic Portal, Primavera Project Management	321
2010: 1 Dec 2010 – 31 Jan 2011	Oracle Forms, Oracle Reports, Oracle Designer, Application Express, JDeveloper, Eclipse, SQL Developer, SQL Developer Data Modeler, Oracle Data Provider for .NET (ODP.NET), Oracle Warehouse Builder, Oracle Business Intelligence Enterprise Edition, Oracle Data Integrator, Discoverer, Essbase, Essbase Excel Add-In, Hyperion Smart View for Office, Hyperion Planning, Hyperion Financial Management, Oracle Service Bus (BEA AquaLogic), Oracle Business Process Analysis Suite, Oracle Weblogic Portal, Business Process Manager	149

The Results

The following tables show raw data and some tentative conclusions we have drawn from the surveys conducted so far.

Oracle Forms		2005	2007	2008	2009	2010
	How many years have you used the tool?	232 responses	90 responses	328 responses	195 responses	84 responses
	< 1 year	9.5%	2.2%	5.8%	3.1%	7.1%
	1 – 2 years	7.8%	3.3%	8.2%	6.2%	7.1%
	3 - 4 years	18.1%	7.8%	9.1%	12.8%	9.5%
	5 – 6 years	11.6%	21.1%	9.5%	6.2%	4.8%
	> 6 years	53.0%	65.6%	67.4%	71.8%	71.4%
	How much have you used the tool in the last six months.	232 responses	90 responses	328 responses	196 responses	83 responses

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	not at all or hardly any	25.9%	21.1%	22.6%	25.0%	37.3%
	less than average	20.3%	18.9%	20.7%	24.0%	19.3%
	Average	18.1%	14.4%	18.6%	21.4%	14.5%
	more than average	15.5%	20.0%	18.3%	11.2%	16.9%
	exclusively or almost always	20.3%	25.6%	19.8%	18.4%	12.0%
	How is your development work with this tool divided?	233 responses	89 responses	325 responses	187 responses	82 responses
	almost all maintenance and almost no new development	18.0%	18.0%	28.6%	35.3%	45.1%
	mostly maintenance and a little new development	22.3%	28.1%	30.2%	24.1%	23.2%
	about fifty/fifty division between maintenance and new development	37.8%	38.2%	31.1%	32.1%	24.4%
	mostly new development and a little maintenance	13.3%	13.5%	7.7%	5.9%	6.1%
	almost all new development and a little maintenance	4.3%	2.2%	2.5%	2.7%	1.2%
	How much as the tool been used in your organization for the past six months?	227 responses	89 responses	325 responses	192 responses	81 responses
	not at all or hardly any	19.4%	12.4%	11.4%	14.6%	27.2%
	less than average	16.3%	22.5%	19.7%	24.5%	22.2%
	Average	19.8%	24.7%	22.2%	22.9%	14.8%
	more than average	26.0%	24.7%	28.0%	19.3%	24.7%
	exclusively or almost always	17.2%	15.7%	18.8%	18.8%	11.1%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	223 responses	87 responses	322 responses	188 responses	78 responses
	not at all or hardly any	9.0%	5.7%	6.2%	7.4%	9.0%
	less than average	38.6%	41.4%	34.8%	42.0%	38.5%
	Average	36.8%	42.5%	36.0%	35.1%	33.3%
	more than average	14.8%	10.3%	21.1%	13.8%	14.1%
	exclusively or almost always	0.9%	0.0%	1.9%	1.6%	5.1%
	How much do you think you will use the tool two years from now?	226 responses	89 responses	323 responses	192 responses	81 responses
	not at all or hardly any	21.7%	22.5%	22.0%	27.1%	40.7%
	less than average	23.9%	24.7%	24.5%	28.6%	19.8%
	Average	21.2%	23.6%	21.1%	20.3%	18.5%
	more than average	23.5%	19.1%	23.8%	16.7%	14.8%
	exclusively or almost always	9.7%	10.1%	8.7%	7.3%	6.2%

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How effective do you find this tool? (Does the tool create modules that meet the application requirements?)		224 responses	86 responses	320 responses	190 responses	80 responses
	less than average	8.9%	5.8%	11.9%	14.2%	11.3%
	Average	40.2%	32.6%	39.4%	33.7%	38.8%
	more than average	50.9%	61.6%	48.8%	52.1%	50/0%
How productive are you with this tool? (Are you able to create modules efficiently and accurately?)		224 responses	87 responses	320 responses	189 responses	79 responses
	less than average	11.6%	9.2%	12.5%	14.3%	20.3%
	Average	32.1%	31.0%	30.6%	31.7%	19.0%
	more than average	56.3%	59.8%	56.9%	54.0%	60.8%
What version of the tool are you using?		230 responses	98 responses	299 responses	183 responses	114 responses
	< version 6	7.0%	6.2%	2.7%	1.6%	2.6%
	version 6	47.8%	47.9%	35.8%	27.3%	25.4%
	version 9	21.7%	16.3%	13.0%	8.7%	15.8%
	version 10	23.5%	29.6%	47.8%	55.7%	42.1%
	version 11	--	--	--	4.4%	10.5%
Oracle Forms Comments:						
<ul style="list-style-type: none"> Experienced developers are the primary users of Oracle Forms. Relatively few new developers are using this tool. Effectiveness (how well Oracle Forms creates required modules) is considered to be slightly above average. Productivity (how efficiently and accurately the modules are created) is considered to be above average by a majority of respondents. 						

Oracle Reports		2005	2007	2008	2009	2010
How many years have you used the tool?		199 responses	79 responses	288 responses	173 responses	67 responses
	< 1 year	8.5%	5.1%	5.2%	2.9%	4.5%
	1 – 2 years	12.1%	2.5%	9.0%	10.4%	7.5%
	3 - 4 years	14.1%	6.3%	7.6%	9.2%	7.5%
	5 – 6 years	11.6%	24.1%	9.0%	5.8%	9.0%
	> 6 years	53.8%	62.0%	69.1%	71.7%	71.6%
How much have you used the tool in the last six months.		197 responses	78 responses	286 responses	170 responses	67 responses
	not at all or hardly any	25.9%	15.4%	15.7%	24.7%	34.3%
	less than average	24.4%	23.1%	26.2%	18.8%	22.4%

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	Average	21.3%	25.6%	25.9%	27.1%	17.9%
	more than average	17.8%	21.8%	17.5%	16.5%	14.9%
	exclusively or almost always	10.7%	14.1%	14.7%	12.9%	10.4%
	How is your development work with this tool divided?	194 responses	77 responses	286 responses	170 responses	67 responses
	almost all maintenance and almost no new development	16.0%	16.9%	25.2%	28.8%	44.8%
	mostly maintenance and a little new development	23.2%	26.0%	27.3%	27.1%	25.4%
	about fifty/fifty division between maintenance and new development	34.5%	29.9%	32.9%	33.5%	19.4%
	mostly new development and a little maintenance	20.1%	24.7%	12.6%	7.6%	10.4%
	almost all new development and a little maintenance	6.2%	2.6%	2.1%	2.9%	0.0%
	How much as the tool been used in your organization for the past six months?	194 responses	77 responses	286 responses	170 responses	66 responses
	not at all or hardly any	20.1%	7.8%	8.7%	13.5%	33.3%
	less than average	19.6%	23.4%	18.5%	24.1%	13.6%
	Average	28.4%	33.8%	32.9%	29.4%	24.2%
	more than average	21.6%	23.4%	26.2%	18.8%	19.7%
	exclusively or almost always	10.3%	11.7%	13.6%	14.1%	9.1%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	189 responses	75 responses	283 responses	171 responses	63 responses
	not at all or hardly any	10.1%	4.0%	7.1%	10.5%	19.0%
	less than average	34.9%	36.0%	34.3%	36.3%	31.7%
	Average	39.2%	45.3%	38.2%	40.4%	27.0%
	more than average	15.3%	14.7%	17.7%	11.1%	17.5%
	exclusively or almost always	0.5%	0.0%	2.8%	1.8%	4.8%
	How much do you think you will use the tool two years from now?	192 responses	77 responses	285 responses	172 responses	65 responses
	not at all or hardly any	18.2%	18.2%	17.7%	25.6%	36.9%
	less than average	26.6%	20.8%	24.2%	24.4%	27.7%
	Average	29.2%	32.5%	29.8%	28.5%	16.9%
	more than average	22.9%	20.8%	21.4%	15.1%	12.3%
	exclusively or almost always	3.1%	7.8%	7.4%	6.4%	6.2%
	How effective do you find this tool? (Does the tool create modules that meet the application	191 responses	75 responses	283 responses	169 responses	63 responses

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	requirements?)					
	less than average	17.8%	12.0%	17.3%	16.0%	23.8%
	Average	42.9%	48.0%	41.7%	43.2%	46.0%
	more than average	39.3%	40.0%	41.0%	40.8%	30.2%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	190 responses	75 responses	285 responses	170 responses	62 responses
	less than average	17.9%	13.3%	19.6%	17.6%	17.7%
	Average	42.1%	44.0%	36.5%	37.6%	40.3%
	more than average	40.0%	42.7%	43.9%	44.7%	41.9%
	What version of the tool are you using?	195 responses	87 responses	259 responses	164 responses	94 responses
	prior to version 6	5.1%	6.7%	--	1.2%	2.1%
	version 6	50.8%	46.0%	35.5%	36.5%	26.6%
	version 9	19.5%	12.8%	11.6%	8.5%	10.6%
	version 10	24.6%	34.5%	52.5%	55.5%	47.9%
	version 11	--	--	--	3.0%	8.5%
Oracle Reports Comments:						
<ul style="list-style-type: none"> Experienced developers are the primary users of Oracle Reports. Relatively few new developers are using this tool. Effectiveness (how well Oracle Forms creates required modules) and productivity (how efficiently and accurately the modules are created) are considered to be above average by approximately 40% while only 17% find Oracle Reports to be below average. 						

Oracle Designer		2005	2007	2008	2009	2010
	How many years have you used the tool?	116 responses	79 responses	132 responses	89 responses	33 responses
	< 1 year	19.8%	14.0%	9.8%	11.2%	9.1%
	1 – 2 years	10.3%	6.0%	6.8%	6.7%	18.2%
	3 - 4 years	19.0%	10.0%	12.1%	10.1%	12.1%
	5 – 6 years	10.3%	12.0%	8.3%	9.0%	12.1%
	> 6 years	40.5%	58.0%	62.9%	62.9%	48.5%
	How much have you used the tool in the last six months.	115 responses	50 responses	129 responses	88 responses	32 responses
	not at all or hardly any	37.4%	34.7%	28.7%	38.6%	53.1%
	less than average	21.7%	10.2%	17.8%	23.9%	12.5%
	Average	20.9%	22.4%	28.7%	17.0%	6.3%
	more than average	7.0%	18.4%	14.7%	9.1%	18.8%

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	exclusively or almost always	13.0%	14.3%	10.1%	11.4%	9.4%
	How is your development work with this tool divided?	120 responses	44 responses	126 responses	81 responses	30 responses
	almost all maintenance and almost no new development	26.7%	15.9%	35.7%	39.5%	53.3%
	mostly maintenance and a little new development	15.8%	15.9%	21.4%	22.2%	6.7%
	about fifty/fifty division between maintenance and new development	21.7%	31.8%	19.8%	17.3%	26.7%
	mostly new development and a little maintenance	19.2%	22.7%	16.7%	17.3%	6.7%
	almost all new development and a little maintenance	8.3%	13.6%	6.3%	3.7%	6.7%
	How much as the tool been used in your organization for the past six months?	122 responses	46 responses	128 responses	83 responses	32 responses
	not at all or hardly any	26.7%	32.6%	30.5%	43.4%	46.9%
	less than average	15.8%	19.6%	21.1%	19.3%	15.6%
	Average	21.7%	19.6%	22.7%	20.8%	6.3%
	more than average	19.2%	17.4%	18.0%	4.8%	21.9%
	exclusively or almost always	8.3%	10.9%	7.8%	12.0%	9.4%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	122 responses	46 responses	128 responses	86 responses	32 responses
	not at all or hardly any	27.0%	19.6%	28.9%	32.6%	31.3%
	less than average	21.3%	54.3%	43.8%	46.5%	31.3%
	Average	24.6%	19.6%	20.3%	17.4%	21.9%
	more than average	13.1%	6.5%	5.5%	3.5%	9.4%
	exclusively or almost always	5.7%	0.0%	1.6%	0.0%	6.3%
	How much do you think you will use the tool two years from now?	111 responses	46 responses	128 responses	84 responses	31 responses
	not at all or hardly any	30.9%	32.6%	33.9%	39.3%	61.3%
	less than average	30.6%	17.4%	26.0%	32.1%	9.7%
	Average	20.7%	23.9%	24.4%	14.3%	19.4%
	more than average	12.6%	21.7%	12.6%	11.9%	6.5%
	exclusively or almost always	5.4%	4.3%	3.1%	2.4%	3.2%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	110 responses	46 responses	127 responses	84 responses	31 responses
	less than average	25.5%	21.7%	21.3%	27.4%	25.8%

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	Average	43.6%	21.7%	36.2%	31.0%	41.9%
	more than average	30.9%	56.5%	42.5%	41.7%	32.3%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	110 responses	46 responses	128 responses	81 responses	31 responses
	less than average	29.1%	15.2%	19.5%	27.2%	25.8%
	Average	38.2%	30.4%	35.2%	28.4%	35.5%
	more than average	32.7%	54.3%	45.3%	44.4%	38.7%
	What version of the tool are you using?	94 responses	38 responses	100 responses	80 responses	35 responses
	prior to version 6	3.3%	10.5%	--	1.3%	5.7%
	version 6	38.3%	39.5%	23.0%	21.3%	20.0%
	version 9	24.5%	23.7%	21.0%	--	--
	version 10	31.9%	26.3%	55.0%	66.3%	57.1%
	version 11	--	--	--	2.5%	--
Oracle Designer Comments:						
<ul style="list-style-type: none"> • Oracle Designer has a higher rate of new developers than Oracle Forms and Oracle Reports but a much higher rate of part time usage. • Effectiveness (how well Oracle Forms creates required modules) and productivity (how efficiently and accurately the modules are created) are considered to be above average by 35% to 43% of the respondents. • Based on the falling new development percentages, it appears developers are looking for a replacement for Oracle Designer. 						

Application Express (HTML DB in 2005 and 2007)		2005	2007	2008	2009	2010
	How many years have you used the tool?	59 responses	35 responses	170 responses	142 responses	74 responses
	< 1 year	81.4%	68.6%	35.3%	35.9%	16.2%
	1 – 2 years	10.2%	28.6%	38.2%	23.9%	28.4%
	3 - 4 years	5.1%	2.9%	26.5%	40.1%	55.4%
	How much have you used the tool in the last six months.	57 responses	36 responses	166 responses	140 responses	74 responses
	not at all or hardly any	42.1%	38.9%	21.1%	19.3%	2.7%
	less than average	22.8%	25.0%	19.9%	15.0%	11.0%
	Average	10.5%	8.3%	15.7%	12.9%	16.4%
	more than average	17.5%	16.7%	19.9%	20.7%	46.6%
	exclusively or almost always	7.0%	11.1%	23.5%	32.1%	23.3%
	How is your development work with this tool divided?	49 responses	32 responses	160 responses	137 responses	73 responses

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	almost all maintenance and almost no new development	16.3%	6.3%	6.3%	3.6%	2.7%
	mostly maintenance and a little new development	0%	3.1%	4.4%	2.2%	11.0%
	about fifty/fifty division between maintenance and new development	18.4%	3.1%	16.9%	13.9%	16.4%
	mostly new development and a little maintenance	12.2%	37.5%	39.4%	43.8	46.6%
	almost all new development and a little maintenance	53.1%	50%	33.1%	36.5%	23.3%
	How much as the tool been used in your organization for the past six months?	53 responses	33 responses	162 responses	137 responses	73 responses
	not at all or hardly any	43.4%	39.4%	26.5%	19.0%	13.7%
	less than average	20.8%	33.3%	18.5%	21.9%	17.8%
	Average	15.1%	3.0%	15.4%	8.8%	15.1%
	more than average	13.2%	21.2%	26.5%	27.0%	26.0%
	exclusively or almost always	7.5%	3.0%	13.0%	23.4%	27.4%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	54 responses	34 responses	161 responses	138 responses	70 responses
	not at all or hardly any	20.4%	14.7%	5.6%	3.6%	4.3%
	less than average	44.4%	29.4%	31.7%	29.7%	32.9%
	Average	25.9%	35.3%	36.0%	33.3%	38.6%
	more than average	9.3%	20.6%	22.4%	29.0%	21.4%
	exclusively or almost always	0%	0.0%	4.3%	4.3%	2.9%
	How much do you think you will use the tool two years from now?	54 responses	36 responses	162 responses	138 responses	74 responses
	not at all or hardly any	18.5%	13.9%	7.4%	4.3%	2.7%
	less than average	14.8%	8.3%	9.9%	5.1%	8.1%
	Average	35.2%	25.0%	15.4%	21.7%	13.5%
	more than average	29.6%	38.9%	46.9%	39.9%	45.9%
	exclusively or almost always	3.7%	13.9%	20.4%	29.0%	29.7%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	53 responses	34 responses	159 responses	136 responses	74 responses
	less than average	26.4%	8.8%	8.8%	8.1%	1.4%
	Average	41.5%	44.1%	27.7%	27.2%	24.3%
	more than average	32.1%	47.1%	63.5%	64.7%	74.3%
	How productive are you with this tool? (Are you	50	34	163	138	72

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	able to create modules efficiently and accurately?)	responses	responses	responses	responses	responses
	less than average	44.0%	34.4%	20.9%	21.7%	9.7%
	Average	38.0%	31.3%	29.4%	28.3%	29.2%
	more than average	18.0%	34.4%	49.7%	50.0%	61.1%
	What version of the tool are you using?	19 responses	23 responses	116 responses	134 responses	110 responses
	prior to version 3	94.8%	82.6%	6.0%	1.5%	4.5%
	version 3	--	--	14.7%	--	--
	version 3.0.1	--	--	4.3%	--	--
	version 3.1	--	--	36.2%	27.6%	13.6%
	version 3.1.1	--	--	10.3%	--	--
	version 3.1.2	--	--	27.6%	--	--
	version 3.2	--	--	0.9%	64.2%	35.5%
	Version 4	--	--	--	--	45.5%
Application Express Comments:						
<ul style="list-style-type: none"> • Usage is increasing as the tool matures, though the rate of new users seems to be tapering off. • Effectiveness (how well Oracle Forms creates required modules) is moving to above average. • Productivity (how efficiently and accurately the modules are created) is moving from “less than average” to “better than average”. 						

Oracle JDeveloper		2005	2007	2008	2009	2010
	How many years have you used the tool?	91 responses	41 responses	149 responses	113 responses	30 responses
	< 1 year	53.8%	48.8%	28.9%	37.2%	30.0%
	1 – 2 years	24.2%	34.1%	33.6%	24.8%	26.7%
	> 2 years	22.0%	17.1%	37.6%	38.1%	43.3%
	How much have you used the tool in the last six months.	89 responses	41 responses	149 responses	108 responses	28 responses
	not at all or hardly any	38.2%	46.3%	25.5%	27.8%	42.9%
	less than average	25.8%	22.0%	28.9%	34.3%	17.9%
	Average	18.0%	17.1%	17.4%	14.8%	14.3%
	more than average	11.2%	4.9%	18.1%	13.0%	17.9%
	exclusively or almost always	6.7%	9.8%	10.1%	10.2%	7.1%
	How is your development work with this tool divided?	86 responses	39 responses	143 responses	105 responses	28 responses
	almost all maintenance and almost no new	15.1%	12.8%	14.0%	12.4%	21.4%

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	development					
	mostly maintenance and a little new development	10.5%	7.7%	7.7%	11.4%	10.7%
	about fifty/fifty division between maintenance and new development	19.8%	15.4%	16.1%	15.2%	32.1%
	mostly new development and a little maintenance	29.4%	23.1%	31.5%	27.6%	17.9%
	almost all new development and a little maintenance	30.2%	41.0%	30.8%	33.3%	17.9%
	How much as the tool been used in your organization for the past six months?	90 responses	39 responses	148 responses	108 responses	28 responses
	not at all or hardly any	31.1%	35.9%	24.3%	27.8%	35.7%
	less than average	28.9%	30.8%	29.7%	28.7%	14.3%
	Average	24.4%	15.4%	17.6%	20.4%	28.6%
	more than average	11.1%	15.4%	22.3%	15.7%	14.3%
	exclusively or almost always	4.4%	2.6%	6.1%	7.4%	7.1%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	88 responses	38 responses	145 responses	108 responses	26 responses
	not at all or hardly any	13.6%	2.6%	6.9%	7.4%	7.7%
	less than average	21.6%	23.7%	27.6%	27.8%	30.8%
	Average	39.8%	35.0%	36.6%	36.1%	34.6%
	more than average	21.6%	22.5%	26.9%	25.9%	26.9%
	exclusively or almost always	3.4%	7.5%	2.1%	2.8%	0.0%
	How much do you think you will use the tool two years from now?	89 responses	40 responses	148 responses	107 responses	28 responses
	not at all or hardly any	7.9%	15.0%	10.8%	9.3%	25.0%
	less than average	16.9%	23.7%	19.6%	10.3%	7.1%
	Average	32.6%	42.1%	23.6%	38.3%	25.0%
	more than average	36.0%	31.6%	38.5%	30.8%	32.1%
	exclusively or almost always	6.7%	7.5%	7.4%	11.2%	10.7%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	85 responses	40 responses	144 responses	107 responses	27 responses
	less than average	15.3%	25.0%	14.6%	9.3%	25.9%
	Average	51.8%	60.0%	51.4%	60.7%	40.7%
	more than average	32.9%	15.0%	34.0%	29.9%	33.3%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	83 responses	40 responses	145 responses	108 responses	27 responses

Oracle Development Tool Trends

	less than average	38.6%	42.5%	31.7%	38.9%	37.0%
	Average	38.6%	45.0%	40.7%	46.3%	40.7%
	more than average	22.9%	12.5%	27.6%	14.8%	22.2%
	What version of the tool are you using?	64 responses	23 responses	115 responses	105 responses	32 responses
	prior to version 10	23.4%	6.8%	4.3%	--	--
	version 10	76.6%	93.2	71.3%	56.2%	46.9%
	version 11	--	--	24.3%	41.9%	43.8%

JDeveloper Comments:

- The expectation was that “JDeveloper” was more or less equivalent to “Application Development Framework” development. This may not be the case since JDeveloper can be used for many other development tasks. Future surveys will split this group into “JDeveloper/ADF” and “JDeveloper (other than ADF)”.
- “More than average” users seem to have leveled off.
- Effectiveness (how well Oracle Forms creates required modules) is considered to be slightly above average.
- Productivity (how efficiently and accurately the modules are created) is considered to be somewhat below average by a majority of respondents.

Eclipse		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	62 responses	51 responses	13 responses
	< 1 year	--	--	38.7%	39.2%	76.9%
	1 – 2 years	--	--	17.7%	31.4%	7.7%
	> 2 years	--	--	43.5%	29.4%	15.4%
	How much have you used the tool in the last six months.	--	--	61 responses	49 responses	13 responses
	not at all or hardly any	--	--	31.1%	32.7%	38.5%
	less than average	--	--	13.1%	26.5%	30.8%
	average	--	--	24.6%	20.4%	7.7%
	more than average	--	--	9.8%	18.4%	23.1%
	exclusively or almost always	--	--	21.3%	2.0%	0.0%
	How is your development work with this tool divided?	--	--	60 responses	44 responses	13 responses
	almost all maintenance and almost no new development	--	--	16.7%	13.6%	38.5%
	mostly maintenance and a little new development	--	--	3.3%	0.0%	0.0%
	about fifty/fifty division between maintenance and new development	--	--	26.7%	20.5%	38.5%

Oracle Development Tool Trends

	mostly new development and a little maintenance	--	--	33.3%	47.7%	0.0%
	almost all new development and a little maintenance	--	--	20.0%	18.2%	23.1%
	How much as the tool been used in your organization for the past six months?	--	--	61 responses	46 responses	13 responses
	not at all or hardly any	--	--	24.6%	13.0%	61.5%
	less than average	--	--	14.8%	32.6%	0.0%
	Average	--	--	23.0%	32.6%	7.7%
	more than average	--	--	29.5%	15.2%	30.8%
	exclusively or almost always	--	--	8.2%	6.5%	0.0%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	58 responses	46 responses	13 responses
	not at all or hardly any	--	--	13.8%	8.7%	30.8%
	less than average	--	--	13.8%	19.6%	7.7%
	Average	--	--	36.2%	32.6%	23.1%
	more than average	--	--	31.0%	37.0%	30.8%
	exclusively or almost always	--	--	5.2%	2.2%	0.0%
	How much do you think you will use the tool two years from now?	--	--	59 responses	47 responses	13 responses
	not at all or hardly any	--	--	18.6%	12.8%	38.5%
	less than average	--	--	11.9%	14.9%	7.7%
	Average	--	--	23.7%	29.8%	23.1%
	more than average	--	--	35.6%	38.3%	30.8%
	exclusively or almost always	--	--	10.2%	4.3%	0.0%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	57 responses	45 responses	13 responses
	less than average	--	--	14.0%	11.1%	46.2%
	Average	--	--	40.4%	42.2%	30.8%
	more than average	--	--	45.6%	46.7%	23.1%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	58 responses	45 responses	13 responses
	less than average	--	--	25.9%	22.2%	46.2%
	Average	--	--	34.5%	35.6%	38.5%
	more than average	--	--	39.7%	42.2%	15.4%
	What version of the tool are you using?	--	--	21	43	15

Oracle Development Tool Trends

				responses	responses	responses
	version 3	--	--	9.5%	--	--
	version 3.0	--	--	4.8%	--	--
	version 3.1	--	--	9.5%	4.7%	--
	version 3.2	--	--	28.6%	9.3%	--
	version 3.3	--	--	28.6%	9.3%	--
	version 3.4	--	--	19.0%	46.5%	--
	Version 3.5	--	--	--	--	33.3%
	Version 3.6	--	--	--	--	40.0%
Eclipse Comments:						
<ul style="list-style-type: none"> There has been a large jump in new users. 						

SQL Developer		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	230 responses	170 responses	81 responses
	< 1 year	--	--	23.0%	18.2%	12.3%
	1 – 2 years	--	--	43.0%	41.2%	32.1%
	3 - 4 years	--	--	22.2%	27.1%	39.5%
	5 – 6 years	--	--	2.6%	5.9%	4.9%
	> 6 years	--	--	9.1%	7.6%	11.1%
	How much have you used the tool in the last six months.	--	--	230 responses	167 responses	81 responses
	not at all or hardly any	--	--	14.3%	14.4%	16.0%
	less than average	--	--	21.7%	24.6%	18.5%
	Average	--	--	22.6%	18.0%	18.5%
	more than average	--	--	22.6%	25.7%	24.7%
	exclusively or almost always	--	--	18.7%	17.4%	22.2%
	How is your development work with this tool divided?	--	--	226 responses	164 responses	78 responses
	almost all maintenance and almost no new development	--	--	16.8%	13.4%	16.7%
	mostly maintenance and a little new development	--	--	13.7%	12.2%	11.5%
	about fifty/fifty division between maintenance and new development	--	--	45.1%	45.7%	33.3%
	mostly new development and a little maintenance	--	--	15.5%	18.3%	28.2%
	almost all new development and a little	--	--	8.8%	10.4%	10.3%

Oracle Development Tool Trends

	maintenance					
	How much as the tool been used in your organization for the past six months?	--	--	229 responses	167 responses	78 responses
	not at all or hardly any	--	--	17.9%	14.4%	12.8%
	less than average	--	--	29.7%	28.1%	26.9%
	Average	--	--	19.2%	24.6%	23.1%
	more than average	--	--	25.3%	22.8%	26.9%
	exclusively or almost always	--	--	7.9%	10.2%	10.3%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	226 responses	166 responses	76 responses
	not at all or hardly any	--	--	5.3%	3.6%	3.9%
	less than average	--	--	28.8%	22.9%	22.4%
	Average	--	--	37.6%	41.0%	42.1%
	more than average	--	--	26.1%	28.3%	27.6%
	exclusively or almost always	--	--	2.2%	4.2%	3.9%
	How much do you think you will use the tool two years from now?	--	--	227 responses	165 responses	76 responses
	not at all or hardly any	--	--	7.0%	7.3%	7.6%
	less than average	--	--	15.4%	16.4%	17.7%
	Average	--	--	27.8%	23.0%	21.5%
	more than average	--	--	38.3%	41.8%	39.2%
	exclusively or almost always	--	--	11.5%	11.5%	13.9%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	227 responses	167 responses	79 responses
	less than average	--	--	15.4%	12.6%	15.2%
	Average	--	--	44.9%	49.7%	49.4%
	more than average	--	--	39.6%	32.7%	35.4%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	227 responses	167 responses	79 responses
	less than average	--	--	18.9%	16.8%	19.0%
	Average	--	--	45.4%	48.5%	48.1%
	more than average	--	--	35.7%	34.7%	32.9%
	What version of the tool are you using?	--	--	114 responses	99 responses	85 responses
	prior to version 1.5	--	--	21.1%	8.1%	0.0%

Oracle Development Tool Trends

version 1.5	--	--	78.9%	59.6%	11.8%
version 2	--	--	--	32.3%	77.6%
SQLDeveloper Comments:					
<ul style="list-style-type: none"> Usage seems to be leveling off with smaller percentage of new users. 					

SQL Developer Data Modeler		2005	2007	2008	2009	2010
How many years have you used the tool?		--	--	--	50 responses	33 responses
	< 1 year	--	--	23.0%	72.0%	54.5%
	1 – 2 years	--	--	43.0%	18.0%	39.4%
	3 - 4 years	--	--	22.2%	8.0%	3.0%
	5 – 6 years	--	--	2.6%	0.0%	0.0%
	> 6 years	--	--	9.1%	2.0%	3.0%
How much have you used the tool in the last six months.		--	--	--	46 responses	33 responses
	not at all or hardly any	--	--	--	30.4%	24.2%
	less than average	--	--	--	39.1%	18.2%
	Average	--	--	--	21.7%	33.3%
	more than average	--	--	--	6.5%	24.2%
	exclusively or almost always	--	--	--	2.2%	0.0%
How is your development work with this tool divided?		--	--	--	45 responses	32 responses
	almost all maintenance and almost no new development	--	--	--	6.7%	9.4%
	mostly maintenance and a little new development	--	--	--	6.7%	6.3%
	about fifty/fifty division between maintenance and new development	--	--	--	17.8%	15.6%
	mostly new development and a little maintenance	--	--	--	28.9%	28.1%
	almost all new development and a little maintenance	--	--	--	40.0%	40.6%
How much as the tool been used in your organization for the past six months?		--	--	--	46 responses	33 responses
	not at all or hardly any	--	--	--	41.3%	33.3%
	less than average	--	--	--	28.3%	24.2%
	Average	--	--	--	21.7%	30.3%
	more than average	--	--	--	6.5%	12.1%

Oracle Development Tool Trends

	exclusively or almost always	--	--	--	2.2%	0.0%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	45 responses	33 responses
	not at all or hardly any	--	--	--	24.4%	21.2%
	less than average	--	--	--	46.7%	42.4%
	Average	--	--	--	20.0%	21.2%
	more than average	--	--	--	8.9%	12.1%
	exclusively or almost always	--	--	--	0.0%	3.0%
	How much do you think you will use the tool two years from now?	--	--	--	44 responses	33 responses
	not at all or hardly any	--	--	--	6.8%	3.0%
	less than average	--	--	--	29.5%	21.2%
	Average	--	--	--	31.8%	27.3%
	more than average	--	--	--	29.5%	42.4%
	exclusively or almost always	--	--	--	2.3%	6.1%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	--	45 responses	33 responses
	less than average	--	--	--	17.8%	6.1%
	Average	--	--	--	48.9%	57.6%
	more than average	--	--	--	33.3%	36.4%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	--	46 responses	32 responses
	less than average	--	--	--	30.4%	12.5%
	Average	--	--	--	43.5%	56.3%
	more than average	--	--	--	26.1%	31.3%
	What version of the tool are you using?	--	--	--	24 responses	36 responses
	version 1	--	--	--	37.5%	13.9%
	version 2	--	--	--	62.5%	83.2%
SQLDeveloper Data Modeler Comments:						
<ul style="list-style-type: none"> Watch this space for future surveys. 						

Oracle Data Provider for .NET (ODP.NET)	2005	2007	2008	2009	2010
How many years have you used the tool?	46 responses	14 responses	--	--	11 responses

Oracle Development Tool Trends

	< 1 year	56.5%	57.1%	--	--	63.6%
	1 – 2 years	30.4%	42.9%	--	--	0.0%
	3 - 4 years	13.0%	0.0%	--	--	18.2%
	5 – 6 years	--	--	--	--	0.0%
	> 6 years	--	--	--	--	18.2%
	How much have you used the tool in the last six months.	46 responses	14 responses	--	--	12 responses
	not at all or hardly any	54.3%	42.9%	--	--	66.7%
	less than average	15.2%	35.7%	--	--	8.3%
	Average	13.0%	14.3%	--	--	8.3%
	more than average	15.2%	7.1%	--	--	8.3%
	exclusively or almost always	2.2%	0.0%	--	--	8.3%
	How is your development work with this tool divided?	40 responses	13 responses	--	--	11 responses
	almost all maintenance and almost no new development	20.0%	7.7%	--	--	27.3%
	mostly maintenance and a little new development	10.0%	7.7%	--	--	18.2%
	about fifty/fifty division between maintenance and new development	12.5%	7.7%	--	--	27.3%
	mostly new development and a little maintenance	32.5%	23.1%	--	--	9.1%
	almost all new development and a little maintenance	25.0%	53.8%	--	--	18.2%
	How much as the tool been used in your organization for the past six months?	44 responses	14 responses	--	--	12 responses
	not at all or hardly any	15.9%	21.4%	--	--	58.3%
	less than average	9.1%	21.4%	--	--	8.3%
	Average	27.3%	28.6%	--	--	8.3%
	more than average	45.5%	21.4%	--	--	16.7%
	exclusively or almost always	2.3%	7.1%	--	--	8.3%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	44 responses	14 responses	--	--	11 responses
	not at all or hardly any	11.4%	21.4%	--	--	45.5%
	less than average	11.4%	7.1%	--	--	9.1%
	Average	27.3%	14.3%	--	--	27.3%
	more than average	47.8%	57.1%	--	--	18.2%
	exclusively or almost always	2.3%	0.0%	--	--	0.0%

Oracle Development Tool Trends

How much do you think you will use the tool two years from now?		34 responses	14 responses	--	--	11 responses
	not at all or hardly any	23.5%	21.4%	--	--	54.5%
	less than average	14.7%	7.1%	--	--	9.1%
	Average	20.6%	21.4%	--	--	18.2%
	more than average	55.9%	28.6%	--	--	18.2%
	exclusively or almost always	14.7%	21.4%	--	--	0.0%
How effective do you find this tool? (Does the tool create modules that meet the application requirements?)		42 responses	14 responses	--	--	11 responses
	less than average	19.0%	21.4%	--	--	45.5%
	Average	50.0%	50.0%	--	--	36.4%
	more than average	31.0%	28.6%	--	--	18.2%
How productive are you with this tool? (Are you able to create modules efficiently and accurately?)		43 responses	13 responses	--	--	10 responses
	less than average	41.9%	30.8%	--	--	50.0%
	Average	34.9%	53.8%	--	--	30.0%
	more than average	23.3%	15.4%	--	--	20.0%
What version of the tool are you using?			38 responses	--	--	12 responses
	version 2.0	12.5%	33.3%	--	--	
	version 2005	--	55.6%	--	--	
	10.2.0.2	--	11.1%	--	--	
	2002	12.5%	--	--	--	
	2003	75%	--	--	--	
	10g	--	--	--	--	58.3%
	11g	--	--	--	--	25.0%
.NET Comments:						
<ul style="list-style-type: none"> This tool was reinstated for 2010. 						

Oracle Warehouse Builder		2005	2007	2008	2009	2010
How many years have you used the tool?		38 responses	8 responses	53 responses	31 responses	14 responses
	< 1 year	63.2%	75.0%	41.5%	35.5%	50.0%
	1 – 2 years	15.8%	12.5%	35.8%	25.8%	7.1%
	3 - 4 years	15.8%	0.0%	11.3%	12.9%	21.4%

Oracle Development Tool Trends

	5 – 6 years	5.3%	12.5%	0.0%	12.9%	7.1%
	> 6 years	0.0%	0.0%	11.3%	12.9%	14.3%
	How much have you used the tool in the last six months.	37 responses	8 responses	52 responses	31 responses	15 responses
	not at all or hardly any	54.1%	37.5%	59.6%	45.2%	66.7%
	less than average	16.2%	25.0%	15.4%	22.6%	6.7%
	Average	13.5%	25.0%	7.7%	12.9%	13.3%
	more than average	2.7%	12.5%	11.5%	12.9%	6.7%
	exclusively or almost always	13.5%	0.0%	5.8%	6.5%	6.7%
	How is your development work with this tool divided?	31 responses	8 responses	45 responses	28 responses	14 responses
	almost all maintenance and almost no new development	29.0%	25.0%	31.1%	39.3%	28.6%
	mostly maintenance and a little new development	6.5%	0.0%	8.9%	7.1%	7.1%
	about fifty/fifty division between maintenance and new development	9.7%	12.5%	17.8%	14.3%	14.3%
	mostly new development and a little maintenance	29.0%	12.5%	22.2%	17.9%	28.6%
	almost all new development and a little maintenance	25.8%	50.0%	20.0%	21.4%	21.4%
	How much as the tool been used in your organization for the past six months?	35 responses	8 responses	48 responses	29 responses	14 responses
	not at all or hardly any	40.0%	37.5%	54.2%	44.8%	50.0%
	less than average	25.7%	25.0%	12.5%	17.2%	7.1%
	Average	20.0%	25.0%	12.5%	13.8%	21.4%
	more than average	11.4%	12.5%	16.7%	24.1%	21.4%
	exclusively or almost always	0.0%	0.0%	4.2%	0.0%	0.0%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	33 responses	8 responses	48 responses	30 responses	14 responses
	not at all or hardly any	33.3%	12.5%	31.3%	16.7%	21.4%
	less than average	21.2%	37.5%	25.0%	30.0%	35.7%
	Average	27.3%	50.0%	31.3%	30.0%	21.4%
	more than average	15.2%	0.0%	10.4%	23.3%	21.4%
	exclusively or almost always	3.0%	0.0%	2.1%	0.0%	0.0%
	How much do you think you will use the tool two years from now?	35 responses	8 responses	47 responses	28 responses	14 responses
	not at all or hardly any	28.6%	12.5%	36.2%	32.1%	28.6%

Oracle Development Tool Trends

	less than average	17.1%	25.0%	19.1%	14.3%	7.1%
	Average	17.1%	37.5%	17.0%	17.9%	28.6%
	more than average	28.6%	25.0%	23.4%	32.1%	35.7%
	exclusively or almost always	8.6%	0.0%	4.3%	3.6%	0.0%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	35 responses	7 responses	47 responses	29 responses	13 responses
	less than average	28.6%	28.6%	38.3%	27.6%	23.1%
	Average	40.0%	28.6%	31.9%	37.9%	53.8%
	more than average	31.4%	42.9%	29.8%	34.5%	23.1%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	33 responses	7 responses	48 responses	29 responses	14 responses
	less than average	33.3%	28.6%	45.8%	37.9%	42.9%
	Average	33.3%	57.1%	27.1%	34.5%	50.0%
	more than average	33.3%	14.3%	27.1%	27.6%	7.1%
	What version of the tool are you using?	16 responses	5 responses	23 responses	14 responses	18 responses
	prior to version 10	50.0%	40.0%	17.3%	14.3%	--
	version 10	50.0%	60.0%	69.6%	57.1%	61.1%
	version 11	--	--	13.0%	28.6%	33.3%
Oracle Warehouse Builder Comments:						
<ul style="list-style-type: none"> • New developers continue to be the primary users of Oracle Warehouse Builder. • Effectiveness (how well Oracle Forms creates required modules) is considered to be slightly above average. • Productivity (how efficiently and accurately the modules are created) is considered to be less than average by a majority of respondents. 						

Oracle Business Intelligence Enterprise Edition (OBIEE)		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	--	39 responses	18 responses
	< 1 year	--	--	--	35.9%	50.0%
	1 – 2 years	--	--	--	38.5%	22.2%
	3 - 4 years	--	--	--	17.9%	11.1%
	5 – 6 years	--	--	--	2.6%	11.1%
	> 6 years	--	--	--	5.1%	5.6%
	How much have you used the tool in the last six months.	--	--	--	37 responses	18 responses

Oracle Development Tool Trends

	not at all or hardly any	--	--	--	24.3%	44.4%
	less than average	--	--	--	35.1%	11.1%
	Average	--	--	--	16.2%	27.8%
	more than average	--	--	--	16.2%	5.6%
	exclusively or almost always	--	--	--	8.1%	11.1%
	How is your development work with this tool divided?	--	--	--	37 responses	17 responses
	almost all maintenance and almost no new development	--	--	--	8.1%	11.8%
	mostly maintenance and a little new development	--	--	--	13.5%	5.9%
	about fifty/fifty division between maintenance and new development	--	--	--	37.8%	17.6%
	mostly new development and a little maintenance	--	--	--	13.5%	29.4%
	almost all new development and a little maintenance	--	--	--	27.0%	35.3%
	How much as the tool been used in your organization for the past six months?	--	--	--	37 responses	17 responses
	not at all or hardly any	--	--	--	24.3%	23.5%
	less than average	--	--	--	27.0%	35.3%
	Average	--	--	--	13.5%	11.8%
	more than average	--	--	--	29.7%	23.5%
	exclusively or almost always	--	--	--	5.4%	5.9%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	36 responses	17 responses
	not at all or hardly any	--	--	--	5.6%	17.6%
	less than average	--	--	--	27.8%	17.6%
	Average	--	--	--	38.9%	29.4%
	more than average	--	--	--	25.0%	35.3%
	exclusively or almost always	--	--	--	2.8%	0.0%
	How much do you think you will use the tool two years from now?	--	--	--	36 responses	16 responses
	not at all or hardly any	--	--	--	5.6%	18.8%
	less than average	--	--	--	11.1%	18.8%
	Average	--	--	--	38.9%	0.0%
	more than average	--	--	--	36.1%	43.8%
	exclusively or almost always	--	--	--	8.3%	18.8%

Oracle Development Tool Trends

How effective do you find this tool? (Does the tool create modules that meet the application requirements?)		--	--	--	37 responses	16 responses
	less than average	--	--	--	10.8%	25.0%
	Average	--	--	--	59.5%	31.3%
	more than average	--	--	--	29.7%	43.8%
How productive are you with this tool? (Are you able to create modules efficiently and accurately?)		--	--	--	36 responses	17 responses
	less than average	--	--	--	25.0%	29.4%
	Average	--	--	--	41.7%	35.3%
	more than average	--	--	--	33.3%	45.3%
What version of the tool are you using?		--	--	--	20 responses	19 responses
	version 10	--	--	--	80.0%	63.2%
	version 11	--	--	--	20.0%	26.3%
OBIEE Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Oracle Data Integrator		2005	2007	2008	2009	2010
How many years have you used the tool?		--	--	--	--	7 responses
	< 1 year	--	--	--	--	42.9%
	1 – 2 years	--	--	--	--	28.6%
	3 - 4 years	--	--	--	--	14.3%
	5 – 6 years	--	--	--	--	0.0%
	> 6 years	--	--	--	--	0.0%
How much have you used the tool in the last six months.		--	--	--	--	7 responses
	not at all or hardly any	--	--	--	--	42.9%
	less than average	--	--	--	--	28.6%
	Average	--	--	--	--	14.3%
	more than average	--	--	--	--	0.0%
	exclusively or almost always	--	--	--	--	14.3%
How is your development work with this tool divided?		--	--	--	--	7 responses
	almost all maintenance and almost no new development	--	--	--	--	14.3%

Oracle Development Tool Trends

	mostly maintenance and a little new development	--	--	--	--	0.0%
	about fifty/fifty division between maintenance and new development	--	--	--	--	28.6%
	mostly new development and a little maintenance	--	--	--	--	14.3%
	almost all new development and a little maintenance	--	--	--	--	42.9%
	How much as the tool been used in your organization for the past six months?	--	--	--	--	7 responses
	not at all or hardly any	--	--	--	--	42.9%
	less than average	--	--	--	--	0.0%
	Average	--	--	--	--	28.6%
	more than average	--	--	--	--	14.3%
	exclusively or almost always	--	--	--	--	42.9%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	--	7 responses
	not at all or hardly any	--	--	--	--	28.6%
	less than average	--	--	--	--	42.9%
	Average	--	--	--	--	28.6%
	more than average	--	--	--	--	0.0%
	exclusively or almost always	--	--	--	--	0.0%
	How much do you think you will use the tool two years from now?	--	--	--	--	7 responses
	not at all or hardly any	--	--	--	--	28.6%
	less than average	--	--	--	--	14.3%
	Average	--	--	--	--	28.6%
	more than average	--	--	--	--	28.6%
	exclusively or almost always	--	--	--	--	0.0%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	--	--	7 responses
	less than average	--	--	--	--	14.3%
	Average	--	--	--	--	42.9%
	more than average	--	--	--	--	42.9%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	--	--	7 responses
	less than average	--	--	--	--	42.9%

Oracle Development Tool Trends

	Average	--	--	--	--	28.6%
	more than average	--	--	--	--	28.6%
	What version of the tool are you using?	--	--	--	--	6 responses
	version 10g	--	--	--	--	50.0%
	version 11g	--	--	--	--	50.0%
Oracle Data Integrator Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Discoverer		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	--	--	27 responses
	< 1 year	--	--	--	--	22.2%
	1 – 2 years	--	--	--	--	11.1%
	3 - 4 years	--	--	--	--	66.7%
	5 – 6 years	--	--	--	--	--
	> 6 years	--	--	--	--	--
	How much have you used the tool in the last six months.	--	--	--	--	27 responses
	not at all or hardly any	--	--	--	--	37.0%
	less than average	--	--	--	--	18.5%
	Average	--	--	--	--	22.2%
	more than average	--	--	--	--	11.1%
	exclusively or almost always	--	--	--	--	11.1%
	How is your development work with this tool divided?	--	--	--	--	27 responses
	almost all maintenance and almost no new development	--	--	--	--	33.3%
	mostly maintenance and a little new development	--	--	--	--	7.4%
	about fifty/fifty division between maintenance and new development	--	--	--	--	37.0%
	mostly new development and a little maintenance	--	--	--	--	11.1%
	almost all new development and a little maintenance	--	--	--	--	11.1%
	How much as the tool been used in your organization for the past six months?	--	--	--	--	26 responses
	not at all or hardly any	--	--	--	--	30.8%

Oracle Development Tool Trends

	less than average	--	--	--	--	15.4%
	Average	--	--	--	--	26.9%
	more than average	--	--	--	--	3.8%
	exclusively or almost always	--	--	--	--	23.1%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	--	25 responses
	not at all or hardly any	--	--	--	--	16.0%
	less than average	--	--	--	--	32.0%
	Average	--	--	--	--	28.0%
	more than average	--	--	--	--	20.0%
	exclusively or almost always	--	--	--	--	4.0%
	How much do you think you will use the tool two years from now?	--	--	--	--	27 responses
	not at all or hardly any	--	--	--	--	37.0%
	less than average	--	--	--	--	22.2%
	Average	--	--	--	--	18.5%
	more than average	--	--	--	--	14.8%
	exclusively or almost always	--	--	--	--	7.4%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	--	--	27 responses
	less than average	--	--	--	--	25.0%
	Average	--	--	--	--	31.3%
	more than average	--	--	--	--	43.8%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	--	--	17 responses
	less than average	--	--	--	--	18.5%
	Average	--	--	--	--	55.6%
	more than average	--	--	--	--	25.9%
	What version of the tool are you using?	--	--	--	--	20 responses
	< version 10	--	--	--	--	20%
	version 10	--	--	--	--	80.0%
Discoverer Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Oracle Development Tool Trends

Essbase		2005	2007	2008	2009	2010
How many years have you used the tool?		--	--	61 responses	31 responses	19 responses
	< 1 year	--	--	16.4%	9.7%	21.1%
	1 – 2 years	--	--	8.2%	16.1%	10.5%
	3 - 4 years	--	--	29.5%	22.6%	68.4%
	5 – 6 years	--	--	3.3%	12.9%	--
	> 6 years	--	--	42.6%	38.7%	--
How much have you used the tool in the last six months.		--	--	59 responses	31 responses	19 responses
	Not at all or hardly any	--	--	15.3%	6.5%	26.3%
	less than average	--	--	5.1%	3.2%	10.5%
	Average	--	--	11.9%	29.0%	5.3%
	more than average	--	--	13.6%	19.4%	31.6%
	exclusively or almost always	--	--	54.2%	41.9%	26.3%
How is your development work with this tool divided?		--	--	59 responses	31 responses	18 responses
	almost all maintenance and almost no new development	--	--	13.6%	6.5%	27.8%
	mostly maintenance and a little new development	--	--	18.6%	16.1%	27.8%
	about fifty/fifty division between maintenance and new development	--	--	42.4%	41.9%	33.3%
	mostly new development and a little maintenance	--	--	15.3%	29.0%	5.6%
	almost all new development and a little maintenance	--	--	10.2%	6.5%	5.6%
How much as the tool been used in your organization for the past six months?		--	--	59 responses	31 responses	19 responses
	not at all or hardly any	--	--	11.9%	3.2%	15.8%
	less than average	--	--	3.4%	6.5%	10.5%
	Average	--	--	11.9%	41.9%	15.8%
	more than average	--	--	35.6%	19.4%	47.4%
	exclusively or almost always	--	--	37.3%	29.0%	10.5%
What is your perception of how much the tool is being used by other companies that use Oracle database?		--	--	59 responses	30 responses	17 responses
	not at all or hardly any	--	--	8.5%	6.7%	17.6%
	less than average	--	--	6.8%	16.7%	17.6%

Oracle Development Tool Trends

	Average	--	--	39.0%	46.7%	17.6%
	more than average	--	--	39.0%	26.7%	47.1%
	exclusively or almost always	--	--	6.8%	3.3%	0.0%
How much do you think you will use the tool two years from now?		--	--	60 responses	30 responses	19 responses
	not at all or hardly any	--	--	8.3%	3.3%	15.8%
	less than average	--	--	0.0%	3.3%	15.8%
	Average	--	--	25.0%	36.7%	15.8%
	more than average	--	--	28.3%	43.3%	42.1%
	exclusively or almost always	--	--	38.3%	13.3%	10.5%
How effective do you find this tool? (Does the tool create modules that meet the application requirements?)		--	--	60 responses	31 responses	19 responses
	less than average	--	--	8.3%	6.5%	21.1%
	Average	--	--	23.3%	22.6%	21.1%
	more than average	--	--	68.3%	71.0%	57.9%
How productive are you with this tool? (Are you able to create modules efficiently and accurately?)		--	--	58 responses	30 responses	18 responses
	less than average	--	--	12.1%	6.7%	27.8%
	Average	--	--	24.1%	16.7%	22.2%
	more than average	--	--	63.8%	76.7%	50.0%
What version of the tool are you using?		--	--	45 responses	26 responses	23 responses
	prior to version 9	--	--	44.4%	34.6%	17.4%
	version 9	--	--	60.0%	57.7%	39.1%
	version 10	--	--	2.2%	3.8%	--
	version 11	--	--	4.4%	3.8%	34.8%
Essbase Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Essbase Excel Add-In		2005	2007	2008	2009	2010
How many years have you used the tool?		--	--	52 responses	28 responses	17 responses
	< 1 year	--	--	13.5%	16.7%	17.6%
	1 – 2 years	--	--	11.5%	14.3%	17.6%
	> 2 years	--	--	23.1%	75.0%	64.7%

Oracle Development Tool Trends

How much have you used the tool in the last six months.		--	--	52 responses	29 responses	17 responses
	not at all or hardly any	--	--	13.5%	17.2%	23.5%
	less than average	--	--	13.5%	3.4%	11.8%
	Average	--	--	15.4%	20.7%	17.6%
	more than average	--	--	23.1%	24.1%	29.4%
	exclusively or almost always	--	--	34.6%	34.5%	17.6%
How is your development work with this tool divided?		--	--	53 responses	28 responses	17 responses
	almost all maintenance and almost no new development	--	--	32.1%	17.9%	35.3%
	mostly maintenance and a little new development	--	--	18.9%	32.1%	23.5%
	about fifty/fifty division between maintenance and new development	--	--	24.5%	32.1%	35.3%
	mostly new development and a little maintenance	--	--	9.4%	10.7%	0.0%
	almost all new development and a little maintenance	--	--	15.1%	7.1%	5.9%
How much as the tool been used in your organization for the past six months?		--	--	53 responses	29 responses	16 responses
	not at all or hardly any	--	--	13.2%	20.7%	18.8%
	less than average	--	--	7.5%	3.4%	18.8%
	Average	--	--	20.8%	20.7%	18.8%
	more than average	--	--	32.1%	27.6%	25.0%
	exclusively or almost always	--	--	26.4%	27.6%	18.8%
What is your perception of how much the tool is being used by other companies that use Oracle database?		--	--	52 responses	29 responses	15 responses
	not at all or hardly any	--	--	11.5%	13.8%	20.0%
	less than average	--	--	7.7%	10.3%	20.0%
	Average	--	--	30.8%	37.9%	20.0%
	more than average	--	--	38.5%	20.7%	40.0%
	exclusively or almost always	--	--	11.5%	17.2%	0.0%
How much do you think you will use the tool two years from now?		--	--	52 responses	29 responses	17 responses
	not at all or hardly any	--	--	9.6%	13.8%	23.5%
	less than average	--	--	5.8%	3.4%	17.6%
	Average	--	--	28.8%	34.5%	29.4%

Oracle Development Tool Trends

	more than average	--	--	34.6%	31.0%	23.5%
	exclusively or almost always	--	--	21.2%	17.2%	5.9%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	53 responses	29 responses	16 responses
	less than average	--	--	11.3%	13.8%	18.8%
	Average	--	--	20.8%	17.2%	37.5%
	more than average	--	--	67.9%	69.0%	43.8%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	52 responses	29 responses	16 responses
	less than average	--	--	15.4%	13.8%	18.8%
	Average	--	--	15.4%	13.8%	31.3%
	more than average	--	--	69.2%	72.4%	50.0%
	What version of the tool are you using?	--	--	36 responses	21 responses	
	prior to version 7	--	--	5.6%	4.8%	--
	version 7	--	--	30.6%	28.6%	27.8%
	version 9	--	--	61.1%	57.1%	38.9%
	version 10	--	--	2.8%	4.8%	--
	version 11	--	--	--	4.8%	22.2%
Essbase Excel Add-In Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Hyperion Smart View for Office		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	42 responses	24 responses	10 responses
	< 1 year	--	--	38.1%	45.8%	40.0%
	1 – 2 years	--	--	35.7%	25.0%	40.0%
	3 - 4 years	--	--	21.4%	29.2%	10.0%
	5 – 6 years	--	--	0.0%	--	0.0%
	> 6 years	--	--	4.8%	--	10.0%
	How much have you used the tool in the last six months.	--	--	43 responses	24 responses	10 responses
	not at all or hardly any	--	--	37.2%	58.3%	60.0%
	less than average	--	--	14.0%	16.7%	10.0%
	Average	--	--	23.3%	16.7%	10.0%

Oracle Development Tool Trends

	more than average	--	--	18.6%	4.2%	20.0%
	exclusively or almost always	--	--	7.0%	4.2%	0.0%
	How is your development work with this tool divided?	--	--	42 responses	23 responses	10 responses
	almost all maintenance and almost no new development	--	--	35.7%	17.4%	50.0%
	mostly maintenance and a little new development	--	--	7.1%	0.0%	10.0%
	about fifty/fifty division between maintenance and new development	--	--	21.4%	39.1%	0.0%
	mostly new development and a little maintenance	--	--	19.0%	17.4%	10.0%
	almost all new development and a little maintenance	--	--	16.7%	26.1%	30.0%
	How much as the tool been used in your organization for the past six months?	--	--	43 responses	24 responses	10 responses
	not at all or hardly any	--	--	34.9%	58.3%	60.0%
	less than average	--	--	9.3%	12.5%	10.0%
	Average	--	--	23.3%	12.5%	10.0%
	more than average	--	--	27.9%	16.7%	20.0%
	exclusively or almost always	--	--	4.7%	0.0%	0.0%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	42 responses	24 responses	9 responses
	not at all or hardly any	--	--	23.8%	33.3%	33.3%
	less than average	--	--	14.3%	20.8%	22.2%
	average	--	--	31.0%	29.2%	22.2%
	more than average	--	--	23.8%	8.3%	22.2%
	exclusively or almost always	--	--	7.1%	8.3%	0.0%
	How much do you think you will use the tool two years from now?	--	--	43 responses	23 responses	10 responses
	not at all or hardly any	--	--	18.6%	17.4%	30.0%
	less than average	--	--	9.3%	17.4%	0.0%
	average	--	--	25.6%	34.8%	30.0%
	more than average	--	--	27.9%	30.4%	30.0%
	exclusively or almost always	--	--	18.6%	0.0%	10.0%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	42 responses	23 responses	10 responses
	less than average	--	--	28.6%	43.5%	50.0%
	average	--	--	42.9%	34.8%	30.0%

Oracle Development Tool Trends

	more than average	--	--	28.6%	21.7%	20.0%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	42 responses	22 responses	10 responses
	less than average	--	--	33.3%	54.5%	60.0%
	average	--	--	47.6%	40.9%	20.0%
	more than average	--	--	19.0%	4.5%	20.0%
	What version of the tool are you using?	--	--	26 responses	16 responses	11 responses
	prior to version 7	--	--	7.6%	0.0%	--
	version 7	--	--	3.8%	6.3%	--
	version 8	--	--	7.6%	0.0%	--
	version 9	--	--	65.3%	68.8%	36.4%
	version 10	--	--	3.8%	0.0%	--
	version 11	--	--	7.7%	25%	54.5%
Hyperion Smart-View for Office Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Hyperion Planning		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	--	14 responses	9 responses
	< 1 year	--	--	--	14.3%	33.3%
	1 – 2 years	--	--	--	21.4%	33.3%
	3 - 4 years	--	--	--	64.3%	11.1%
	5 – 6 years	--	--	--	--	11.1%
	> 6 years	--	--	--	--	11.1%
	How much have you used the tool in the last six months.	--	--	--	13 responses	9 responses
	not at all or hardly any	--	--	--	15.4%	44.4%
	less than average	--	--	--	7.7%	0.0%
	Average	--	--	--	23.1%	11.1%
	more than average	--	--	--	15.4%	33.3%
	exclusively or almost always	--	--	--	38.5%	11.1%
	How is your development work with this tool divided?	--	--	--	12 responses	9 responses
	almost all maintenance and almost no new development	--	--	--	16.7%	44.4%

Oracle Development Tool Trends

	mostly maintenance and a little new development	--	--	--	16.7%	22.2%
	about fifty/fifty division between maintenance and new development	--	--	--	41.7%	11.1%
	mostly new development and a little maintenance	--	--	--	8.3%	11.1%
	almost all new development and a little maintenance	--	--	--	16.7%	11.1%
	How much as the tool been used in your organization for the past six months?	--	--	--	13 responses	9 responses
	not at all or hardly any	--	--	--	15.4%	44.4%
	less than average	--	--	--	7.7%	0.0%
	Average	--	--	--	30.8%	11.1%
	more than average	--	--	--	23.1%	22.2%
	exclusively or almost always	--	--	--	23.1%	22.2%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	13 responses	9 responses
	not at all or hardly any	--	--	--	7.7%	33.3%
	less than average	--	--	--	15.4%	0.0%
	Average	--	--	--	53.8%	22.2%
	more than average	--	--	--	23.1%	44.4%
	exclusively or almost always	--	--	--	0.0%	0.0%
	How much do you think you will use the tool two years from now?	--	--	--	13 responses	9 responses
	not at all or hardly any	--	--	--	7.7%	44.4%
	less than average	--	--	--	7.7%	0.0%
	Average	--	--	--	38.5%	0.0%
	more than average	--	--	--	23.1%	44.4%
	exclusively or almost always	--	--	--	23.1%	11.1%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	--	13 responses	9 responses
	less than average	--	--	--	15.4%	44.4%
	Average	--	--	--	46.2%	22.2%
	more than average	--	--	--	38.5%	33.3%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	--	13 responses	9 responses
	less than average	--	--	--	7.7%	44.4%

Oracle Development Tool Trends

	Average	--	--	--	46.2%	22.2%
	more than average	--	--	--	38.5%	33.3%
	What version of the tool are you using?	--	--	--	8 responses	9 responses
	version 9	--	--	--	75.0%	77.8%
	version 10	--	--	--	25.0%	--
	Version 11	--	--	--	--	11.1%
Hyperion Planning Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Hyperion Financial Management		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	--	14 responses	10 responses
	< 1 year	--	--	--	42.9%	50.0%
	1 – 2 years	--	--	--	14.3%	20.0%
	3 - 4 years	--	--	--	35.7%	20.0%
	5 – 6 years	--	--	--	7.1%	0.0%
	> 6 years	--	--	--	0.0%	10.0%
	How much have you used the tool in the last six months.	--	--	--	14 responses	10 responses
	not at all or hardly any	--	--	--	35.7%	50.0%
	less than average	--	--	--	28.6%	0.0%
	Average	--	--	--	21.4%	10.0%
	more than average	--	--	--	14.3%	30.0%
	exclusively or almost always	--	--	--	0.0%	10.0%
	How is your development work with this tool divided?	--	--	--	12 responses	10 responses
	almost all maintenance and almost no new development	--	--	--	16.7%	30.0%
	mostly maintenance and a little new development	--	--	--	33.3%	20.0%
	about fifty/fifty division between maintenance and new development	--	--	--	25.0%	20.0%
	mostly new development and a little maintenance	--	--	--	16.7%	20.0%
	almost all new development and a little maintenance	--	--	--	8.3%	10.0%
	How much as the tool been used in your organization for the past six months?	--	--	--	14 responses	10 responses

Oracle Development Tool Trends

	not at all or hardly any	--	--	--	21.4%	50.0%
	less than average	--	--	--	14.3%	0.0%
	Average	--	--	--	35.7%	10.0%
	more than average	--	--	--	28.6%	30.0%
	exclusively or almost always	--	--	--	0.0%	10.0%
What is your perception of how much the tool is being used by other companies that use Oracle database?		--	--	--	12 responses	10 responses
	not at all or hardly any	--	--	--	8.3%	40.0%
	less than average	--	--	--	8.3%	0.0%
	Average	--	--	--	66.7%	20.0%
	more than average	--	--	--	16.7%	40.0%
	exclusively or almost always	--	--	--	0.0%	0.0%
How much do you think you will use the tool two years from now?		--	--	--	13 responses	10 responses
	not at all or hardly any	--	--	--	15.4%	40.0%
	less than average	--	--	--	0.0%	0.0%
	Average	--	--	--	61.5%	20.0%
	more than average	--	--	--	23.1%	30.0%
	exclusively or almost always	--	--	--	0.0%	10.0%
How effective do you find this tool? (Does the tool create modules that meet the application requirements?)		--	--	--	13 responses	10 responses
	less than average	--	--	--	23.1%	40.0%
	Average	--	--	--	53.8%	20.0%
	more than average	--	--	--	23.1%	40.0%
How productive are you with this tool? (Are you able to create modules efficiently and accurately?)		--	--	--	13 responses	10 responses
	less than average	--	--	--	23.1%	60.0%
	Average	--	--	--	61.5%	0.0%
	more than average	--	--	--	15.4%	40.0%
What version of the tool are you using?		--	--	--	8 responses	11 responses
	version 2	--	--	--	12.5%	--
	version 4	--	--	--	25.0%	--
	version 9	--	--	--	25.0%	45.5%

Oracle Development Tool Trends

version 11	--	--	--	37.5%	36.4%
Hyperion Financial Management Comments:					
<ul style="list-style-type: none"> Watch this space for future surveys. 					

Oracle Business Process Analysis Suite		2005	2007	2008	2009	2010
How many years have you used the tool?		--	--	--	--	3 responses
< 1 year		--	--	--	--	100%
1 – 2 years		--	--	--	--	0.0%
3 - 4 years		--	--	--	--	0.0%
5 – 6 years		--	--	--	--	0.0%
> 6 years		--	--	--	--	0.0%
How much have you used the tool in the last six months.		--	--	--	--	3 responses
not at all or hardly any		--	--	--	--	100%
less than average		--	--	--	--	0.0%
Average		--	--	--	--	0.0%
more than average		--	--	--	--	0.0%
exclusively or almost always		--	--	--	--	0.0%
How is your development work with this tool divided?		--	--	--	--	3 responses
almost all maintenance and almost no new development		--	--	--	--	100%
mostly maintenance and a little new development		--	--	--	--	0.0%
about fifty/fifty division between maintenance and new development		--	--	--	--	0.0%
mostly new development and a little maintenance		--	--	--	--	0.0%
almost all new development and a little maintenance		--	--	--	--	0.0%
How much as the tool been used in your organization for the past six months?		--	--	--	--	3 responses
not at all or hardly any		--	--	--	--	100%
less than average		--	--	--	--	0.0%
Average		--	--	--	--	0.0%
more than average		--	--	--	--	0.0%
exclusively or almost always		--	--	--	--	0.0%

Oracle Development Tool Trends

	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	--	3 responses
	not at all or hardly any	--	--	--	--	100%
	less than average	--	--	--	--	0.0%
	average	--	--	--	--	0.0%
	more than average	--	--	--	--	0.0%
	exclusively or almost always	--	--	--	--	0.0%
	How much do you think you will use the tool two years from now?	--	--	--	--	3 responses
	not at all or hardly any	--	--	--	--	66.7%
	less than average	--	--	--	--	0.0%
	average	--	--	--	--	0.0%
	more than average	--	--	--	--	0.0%
	exclusively or almost always	--	--	--	--	33.3%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	--	--	3 responses
	less than average	--	--	--	--	66.7%
	average	--	--	--	--	33.3%
	more than average	--	--	--	--	0.0%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	--	--	3 responses
	less than average	--	--	--	--	100%
	average	--	--	--	--	0.0%
	more than average	--	--	--	--	0.0%
	What version of the tool are you using?	--	--	--	--	3 responses
	version 10	--	--	--	--	66.7%
	version 11	--	--	--	--	33.3%
Oracle Business Process Analysis Suite Comments:						
<ul style="list-style-type: none"> Watch this space for future surveys. 						

Oracle WebLogic Portal		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	23 responses	13 responses	9 responses
	< 1 year	--	--	47.8%	46.2%	66.7%
	1 – 2 years	--	--	17.4%	7.7%	0.0%

Oracle Development Tool Trends

	3 - 4 years	--	--	21.7%	7.7%	22.2%
	5 – 6 years	--	--	4.3%	23.1%	0.0%
	> 6 years	--	--	8.7%	15.4%	11.1%
	How much have you used the tool in the last six months.	--	--	21 responses	13 responses	9 responses
	not at all or hardly any	--	--	47.6%	23.1%	44.4%
	less than average	--	--	9.5%	30.8%	22.2%
	Average	--	--	23.8%	30.8%	11.1%
	more than average	--	--	14.3%	7.7%	0.0%
	exclusively or almost always	--	--	4.8%	7.7%	22.2%
	How is your development work with this tool divided?	--	--	22 responses	13 responses	9 responses
	almost all maintenance and almost no new development	--	--	50.0%	23.1%	55.6%
	mostly maintenance and a little new development	--	--	13.6%	15.4%	11.1%
	about fifty/fifty division between maintenance and new development	--	--	18.2%	23.1%	11.1%
	mostly new development and a little maintenance	--	--	9.1%	15.4%	11.1%
	almost all new development and a little maintenance	--	--	9.1%	23.1%	11.1%
	How much as the tool been used in your organization for the past six months?	--	--	22 responses	13 responses	9 responses
	not at all or hardly any	--	--	40.9%	15.4%	55.6%
	less than average	--	--	9.1%	23.1%	11.1%
	Average	--	--	18.2%	53.8%	22.2%
	more than average	--	--	27.3%	0.0%	0.0%
	exclusively or almost always	--	--	4.5%	7.7%	11.1%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	22 responses	13 responses	9 responses
	not at all or hardly any	--	--	22.7%	23.1%	33.3%
	less than average	--	--	27.3%	23.1%	22.2%
	Average	--	--	31.8%	46.2%	11.1%
	more than average	--	--	13.6%	7.7%	33.3%
	exclusively or almost always	--	--	4.5%	0.0	0.0%
	How much do you think you will use the tool two years from now?	--	--	22 responses	13 responses	9 responses

Oracle Development Tool Trends

	not at all or hardly any	--	--	31.8%	23.1%	22.2%
	less than average	--	--	4.5%	23.1%	22.2%
	Average	--	--	27.3%	38.5%	11.1%
	more than average	--	--	31.8%	15.4%	11.1%
	exclusively or almost always	--	--	4.5%	0.0%	33.3%
How effective do you find this tool? (Does the tool create modules that meet the application requirements?)		--	--	22 responses	13 responses	9 responses
	less than average	--	--	31.8%	7.7%	33.3%
	Average	--	--	54.5%	84.6%	44.4%
	more than average	--	--	13.6%	7.7%	22.2%
How productive are you with this tool? (Are you able to create modules efficiently and accurately?)		--	--	22 responses	13 responses	9 responses
	less than average	--	--	45.5%	15.4%	77.8%
	Average	--	--	40.9%	76.9%	11.1%
	more than average	--	--	13.6%	7.7%	11.1%
What version of the tool are you using?		--	--	6 responses	4 responses	11 responses
	prior to version 10	--	--	87.0%	25.0%	--
	version 10g	--	--	17.9%	75.0%	45.5%
	Version 11g	--	--	--	--	54.5%
Oracle WebLogic Portal Comments:						
<ul style="list-style-type: none"> Watch this space for future surveys. 						

Oracle Service Bus (BEA AquaLogic)		2005	2007	2008	2009	2010
How many years have you used the tool?		--	--	--	16 responses	7 responses
	< 1 year	--	--	--	31.3%	71.4%
	1 – 2 years	--	--	--	37.5%	0.0%
	3 - 4 years	--	--	--	25.0%	28.6%
	5 – 6 years	--	--	--	6.3%	0.0%
	> 6 years	--	--	--	0.0%	0.0%
How much have you used the tool in the last six months.		--	--	--	16 responses	7 responses
	not at all or hardly any	--	--	--	25.0%	42.9%
	less than average	--	--	--	37.5%	28.6%

Oracle Development Tool Trends

	Average	--	--	--	12.5%	0.0%
	more than average	--	--	--	25.0%	28.6%
	exclusively or almost always	--	--	--	0.0%	0.0%
	How is your development work with this tool divided?	--	--	--	14 responses	7 responses
	almost all maintenance and almost no new development	--	--	--	28.6%	42.9%
	mostly maintenance and a little new development	--	--	--	0.0%	14.3%
	about fifty/fifty division between maintenance and new development	--	--	--	14.3%	0.0%
	mostly new development and a little maintenance	--	--	--	28.6%	28.6%
	almost all new development and a little maintenance	--	--	--	28.6%	14.3%
	How much as the tool been used in your organization for the past six months?	--	--	--	13 responses	7 responses
	not at all or hardly any	--	--	--	15.4%	57.1%
	less than average	--	--	--	38.5%	14.3%
	Average	--	--	--	38.5%	0.0%
	more than average	--	--	--	7.7%	28.6%
	exclusively or almost always	--	--	--	0.0%	0.0%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	14 responses	7 responses
	not at all or hardly any	--	--	--	14.3%	42.9%
	less than average	--	--	--	14.3%	28.6%
	Average	--	--	--	57.1%	14.3%
	more than average	--	--	--	14.3%	14.3%
	exclusively or almost always	--	--	--	0.0%	0.0%
	How much do you think you will use the tool two years from now?	--	--	--	14 responses	7 responses
	not at all or hardly any	--	--	--	7.1%	42.9%
	less than average	--	--	--	14.3%	0.0%
	Average	--	--	--	35.7%	14.3%
	more than average	--	--	--	42.9%	28.6%
	exclusively or almost always	--	--	--	0.0%	14.3%
	How effective do you find this tool? (Does the tool create modules that meet the application	--	--	--	14 responses	7 responses

Oracle Development Tool Trends

	requirements?)					
	less than average	--	--	--	21.4%	57.1%
	Average	--	--	--	42.9%	28.6%
	more than average	--	--	--	0.0%	14.3%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	--	14 responses	7 responses
	less than average	--	--	--	14.3%	71.4%
	Average	--	--	--	57.1%	28.6%
	more than average	--	--	--	28.6%	0.0%
	What version of the tool are you using?	--	--	--	7 responses	2 responses
	prior to version 10	--	--	--	28.6%	--
	version 10	--	--	--	42.9%	--
	version 11	--	--	--	28.6%	100%
Oracle Service Bus Comments:						
<ul style="list-style-type: none"> Watch this space for future surveys. 						

Oracle Business Process Analysis Suite		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	--	6 responses	3 responses
	< 1 year	--	--	--	0.0%	100%
	1 – 2 years	--	--	--	66.7%	0.0%
	3 - 4 years	--	--	--	16.7%	0.0%
	5 – 6 years	--	--	--	16.7%	0.0%
	> 6 years	--	--	--	0.0%	0.0%
	How much have you used the tool in the last six months.	--	--	--	6 responses	3 responses
	not at all or hardly any	--	--	--	33.3%	100%
	less than average	--	--	--	16.7%	0.0%
	Average	--	--	--	16.7%	0.0%
	more than average	--	--	--	16.7%	0.0%
	exclusively or almost always	--	--	--	16.7%	0.0%
	How is your development work with this tool divided?	--	--	--	4 responses	3 responses
	almost all maintenance and almost no new development	--	--	--	0.0%	100%

Oracle Development Tool Trends

	mostly maintenance and a little new development	--	--	--	0.0%	0.0%
	about fifty/fifty division between maintenance and new development	--	--	--	75.0%	0.0%
	mostly new development and a little maintenance	--	--	--	25.0%	0.0%
	almost all new development and a little maintenance	--	--	--	0.0%	0.0%
	How much as the tool been used in your organization for the past six months?	--	--	--	6 responses	3 responses
	not at all or hardly any	--	--	--	0.0%	100%
	less than average	--	--	--	33.3%	0.0%
	Average	--	--	--	33.3%	0.0%
	more than average	--	--	--	33.3%	0.0%
	exclusively or almost always	--	--	--	0.0%	0.0%
	What is your perception of how much the tool is being used by other companies that use Oracle database?	--	--	--	6 responses	3 responses
	not at all or hardly any	--	--	--	0.0%	100%
	less than average	--	--	--	33.3%	0.0%
	Average	--	--	--	50.0%	0.0%
	more than average	--	--	--	16.7%	0.0%
	exclusively or almost always	--	--	--	0.0%	0.0%
	How much do you think you will use the tool two years from now?	--	--	--	6 responses	3 responses
	not at all or hardly any	--	--	--	0.0%	66.7%
	less than average	--	--	--	0.0%	0.0%
	Average	--	--	--	66.7%	0.0%
	more than average	--	--	--	16.7%	0.0%
	exclusively or almost always	--	--	--	16.7%	33.3%
	How effective do you find this tool? (Does the tool create modules that meet the application requirements?)	--	--	--	6 responses	3 responses
	less than average	--	--	--	0.0%	66.7%
	Average	--	--	--	66.7%	33.3%
	more than average	--	--	--	33.3%	0.0%
	How productive are you with this tool? (Are you able to create modules efficiently and accurately?)	--	--	--	6 responses	3 responses
	less than average	--	--	--	0.0%	100%

Oracle Development Tool Trends

	Average	--	--	--	50.0%	0.0%
	more than average	--	--	--	50.0%	0.0%
	What version of the tool are you using?	--	--	--	3 responses	3 responses
	version 10	--	--	--	100.0%	66.7%
	Version 11g	--	--	--	--	33.3%
Oracle Business Process Analysis Suite Comments:						
<ul style="list-style-type: none"> • Watch this space for future surveys. 						

Business Process Manager		2005	2007	2008	2009	2010
	How many years have you used the tool?	--	--	--	--	6 responses
	< 1 year	--	--	--	--	83.3%
	1 – 2 years	--	--	--	--	16.7%
	3 - 4 years	--	--	--	--	0.0%
	> 4 years	--	--	--	--	0.0%
	How much have you used the tool in the last six months.	--	--	--	--	6 responses
	not at all or hardly any	--	--	--	--	66.7%
	less than average	--	--	--	--	16.7%
	Average	--	--	--	--	0.0%
	more than average	--	--	--	--	16.7%
	exclusively or almost always	--	--	--	--	0.0%
	How is your development work with this tool divided?	--	--	--	--	6 responses
	almost all maintenance and almost no new development	--	--	--	--	33.3%
	mostly maintenance and a little new development	--	--	--	--	0.0%
	about fifty/fifty division between maintenance and new development	--	--	--	--	16.7%
	mostly new development and a little maintenance	--	--	--	--	16.7%
	almost all new development and a little maintenance	--	--	--	--	33.3%
	How much as the tool been used in your organization for the past six months?	--	--	--	--	6 responses
	not at all or hardly any	--	--	--	--	66.7%
	less than average	--	--	--	--	0.0%

Oracle Development Tool Trends

	Average	--	--	--	--	16.7%
	more than average	--	--	--	--	0.0%
	exclusively or almost always	--	--	--	--	16.7%
What is your perception of how much the tool is being used by other companies that use Oracle database?		--	--	--	--	6 responses
	not at all or hardly any	--	--	--	--	66.7%
	less than average	--	--	--	--	33.3%
	Average	--	--	--	--	0.0%
	more than average	--	--	--	--	0.0%
	exclusively or almost always	--	--	--	--	0.0%
How much do you think you will use the tool two years from now?		--	--	--	--	6 responses
	not at all or hardly any	--	--	--	--	66.7%
	less than average	--	--	--	--	0.0%
	Average	--	--	--	--	0.0%
	more than average	--	--	--	--	16.7%
	exclusively or almost always	--	--	--	--	16.7%
How effective do you find this tool? (Does the tool create modules that meet the application requirements?)		--	--	--	--	6 responses
	less than average	--	--	--	--	83.3%
	Average	--	--	--	--	0.0%
	more than average	--	--	--	--	16.7%
How productive are you with this tool? (Are you able to create modules efficiently and accurately?)		--	--	--	--	6 responses
	less than average	--	--	--	--	83.3%
	Average	--	--	--	--	16.7%
	more than average	--	--	--	--	0.0%
What version of the tool are you using?		--	--	--	--	1 response
	Version 11g	--	--	--	--	100%

Oracle Business Process Analysis Suite Comments:

- Watch this space for future surveys.

Tool Preference	2005	2007	2008	2009	2010
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Oracle Development Tool Trends

Preferred strategy/analysis tool		71 responses	35 responses	158 responses	76 responses	39 responses
	Application Express	1.4%	2.9%	1.9%	1.3%	2.6%
	ASP.NET	--	2.9%	--	--	--
	BPA Suite	--	--	1.9%	1.3%	--
	Business Objects	--	--	1.9%	--	2.6%
	DBArtisan	2.8%	2.9%	--	--	--
	Discoverer	1.4%	8.6%	1.9%	3.9%	--
	Essbase		--	7.0%	3.9%	12.8%
	Excel		2.9%	5.7%	--	2.6%
	JDeveloper	2.8%	--	--	2.6%	--
	Hyperion	--	--	2.5%	--	--
	in-house	--	--	2.5%	2.6%	7.7%
	Oracle Designer	31.0%	42.9%	19.6%	21.1%	15.4%
	Oracle Forms/Oracle Reports	1.4%	--	2.5%	--	--
	PL/SQL Developer	--	5.7%	4.4%	--	2.6%
	SAS	--	--	4.4%	--	--
	SQL Developer	--	--	3.2%	6.6%	7.7%
	TOAD	26.8%	--	22.8%	26.3%	25.5%
	Visio/Excel	12.7%	5.7%	2.5%	3.9%	5.1%
	(editor)	1.4%	2.9%	1.9%	9.2%	10.3%
	other products	18.3%	--	13.3%	17.1%	10.3%
Preferred design tool		124 responses	57 responses	234 responses	133 responses	71 responses
	Application Express	--	1.8%	4.3%	8.3%	7.0%
	DBDesigner	--	1.8%	--	--	--
	Eclipse	0.8%	1.8%	--	--	--
	ErWin	10.5%	12.3%	9.0%	6.0%	8.5%
	Essbase	--	--	3.0%	1.5%	4.2%
	JDeveloper	4.8%	3.5%	7.3%	9.0%	1.4%
	Oracle Designer	41.1%	43.9%	30.3%	29.3%	15.5%
	Oracle Forms	5.6%	8.8%	4.7%	3.8%	2.8%
	PeopleSoft Application Designer	0.8%	--	1.7%	--	--
	PL/SQL Developer	0.8%	1.8%	3.8%	0.8%	2.8%
	PowerDesigner	--	1.8%	2.6%	--	4.2%

Oracle Development Tool Trends

	Rational Rose	1.6%	1.8%	--	2.3%	--
	SQL Developer	--	--	5.6%	9.0%	16.9%
	TOAD	7.3%	10.5%	15.0%	11.3%	13.5%
	Visio	7.3%	8.8%	7.7%	7.5%	5.6%
	other products	19.4%	--	12.8%	6.0%	14.1%
	Preferred development tool for reporting	164 responses	80 responses	317 responses	196 responses	94 responses
	Application Express	1.8%	5.0%	12.6%	17.9%	24.5%
	Brio	0.6%	1.3%	--	1.0%	1.1%
	Business Objects	3.0%	3.8%	3.5%	3.1%	1.1%
	Cognos	4.3%	--	2.2%	1.0%	1.1%
	Crystal Reports	11.6%	7.5%	8.8%	4.1%	3.2%
	Discoverer	3.7%	7.5%	6.3%	4.1%	3.2%
	Eclipse	--	1.3%	0.6%	--	--
	Essbase	--	--	--	2.6%	2.1%
	Excel	0.6%	--	2.2%	1.5%	3.2%
	Hyperion	--	--	3.5%	0.5%	1.1%
	Jasper Reports	--	--	0.9%	2.6%	3.2%
	JDeveloper	1.8%	1.3%	--	2.6%	--
	OBIEE	--	--	1.6%	3.1%	4.3%
	Oracle Designer	0.6%	2.5%	0.6%	0.5%	--
	Oracle Developer	--	1.3%	0.6%	1.5%	--
	Oracle Reports	51.9%	46.3%	36.9%	34.2%	24.5%
	Perl	0.6%	2.5%	--	--	--
	PHP	0.6%	1.3%	--	--	--
	PL/SQL Server Pages	--	1.3%	--	--	--
	SAS	--	1.3%	--	--	--
	SQL Server	--	1.3%	--	--	--
	SQL Plus	1.2%	1.3%	1.3%	0.5%	1.1%
	SQRibe	2.4%	1.3%	2.2%	1.0%	--
	TOAD	2.4%	1.3%	5.0%	3.1%	4.3%
	XML/BI Publisher	0.6%	6.3%	5.4%	6.7%	9.6%
	Others	6.1%	--	5.7%	6.1%	14.9%
	Preferred development tool for screens	177 responses	67 responses	274 responses	179 responses	88 responses

Oracle Development Tool Trends

	Application Express	2.3%	12.0%	24.1%	34.1%	42.0%
	ASP.NET	1.7%	1.5%	1.1%	1.1%	3.4%
	Dreamweaver	0.6%	--	1.5%	--	--
	Eclipse	0.6%	1.5%	2.9%	1.7%	--
	Excel	--	--	--	--	3.4%
	JDeveloper	7.9%	10.4%	11.7%	12.3%	2.3%
	Peoplesoft Application Designer	1.1%	--	1.8%	0.6%	2.3%
	PHP	0.6%	1.5%	--	--	--
	PL/SQL	0.0%	1.5%	--	1.1%	--
	Oracle ADF	--	--	--	--	2.3%
	Oracle Designer	4.0%	9.0%	1.5%	2.8%	1.1%
	Oracle Forms	61.6%	58.2%	45.6%	36.3%	30.7%
	Oracle Portal	--	--	1.8%	--	1.1%
	Visual Basic	7.9%	1.5%	1.1%	0.6%	--
	Visual Studio	3.4%	1.5%	2.2%	2.8%	1.1%
	Wordpad or other editors	1.1%	1.5%	--	--	--
	Others	7.3%	--	4.7%	6.7%	11.4%
	Preferred Source Code Management tool	126 responses	33 responses	204 responses	122 responses	50 responses
	Clearcase	7.1%	--	--	4.1%	--
	CVS	14.3%	18.2%	15.7%	7.4%	2.0%
	Oracle Designer SCM	7.9%	9.1%	2.9%	0.8%	--
	In-house	--	3.0%	2.0%	2.5%	4.0%
	JDeveloper	1.6%	3.0%	--	0.8%	2.0%
	Perforce	0.8%	--	2.0%	--	--
	PVCS	14.3%	9.1%	10.3%	7.4%	8.0%
	TOAD	14.3%	9.1%	10.3%	12.3%	10.0%
	SourceSafe	18.3%	24.3%	15.7%	10.7%	14.0%
	SQLDeveloper	--	--	3.4%	4.1%	--
	SQLProgrammer	--	3.0%	--	--	--
	StarTeam	--	3.0%	1.0%	3.3%	--
	Subversion	2.4%	18.2%	25.0%	34.4%	50.0%
	Others	19.0%	--	11.8%	12.3%	10.0%
	Preferred error management tool	56 responses	27 responses	64 responses	49 responses	17 responses

Oracle Development Tool Trends

Application Express	--	3.7%	--	4.1%	--
Bugzilla	7.1%	3.7%	6.3%	6.1%	--
In-house	23.2%	7.4%	21.9%	34.7%	41.2%
Jira	--	3.7%	9.4%	8.2%	5.9%
MS Access	--	3.7%	--	--	--
MS Project	--	3.7%	--	--	--
None	21.4%	44.4%	--	8.2%	--
Oracle Enterprise Manager	3.6%	--	9.4%	--	--
Oracle Forms	--	3.7%	--	2.0%	--
PL/SQL Developer	3.6%	--	6.3%	--	--
Scarab	--	3.7%	--	--	--
StarTeam	1.8%	7.4%	--	--	--
TOAD	14.3%	14.8%	20.3%	12.2%	17.6%
Others	25.0%	--	25.0%	24.5%	35.3%

Comment: The intention of this question was to identify issue tracking and project management tools. Some of the responses received indicate confusion so additional explanation will be added to future surveys.

Preferred datawarehousing ETL tool		47 responses	21 responses	86 responses	55 responses	25 responses
	ab initio	--	--	4.7%	--	--
	DataJunction	--	4.8%	--	--	--
	DataStage	4.3%	4.8%	2.3%	1.8%	4.0%
	in-house	--	--	4.7%	1.8%	--
	Informatica	19.1%	--	20.9%	27.3%	25.3%
	MicroStrategy	--	4.8%	3.5%	--	--
	None	--	33.3%	--	--	--
	Perl	2.1%	4.8%	--	--	--
	PL/SQL	25.5%	19.4%	5.8%	20.0%	12.0%
	Oracle Data Integrator	--	--	5.8%	7.3	12.0%
	Oracle Warehouse Builder	29.8%	23.8%	28.0%	27.3%	16.0%
	SAS	--	4.8%	--	--	--
	SQL Loader	--	--	--	--	8.0%
	Others	19.1%	--	24.4%	14.5%	16.0%

Future	2005	2007	2008	2009	2010
Have you been working on converting/redesigning	61	31	107	77	123

Oracle Development Tool Trends

Oracle systems within the last six months? What tools did you convert from?		responses	responses	responses	responses	responses
	ASP	--	6.5%	--	1.3%	--
	Business Objects	--	--	2.8%	--	--
	Oracle Designer	1.6%	3.2%	2.8%	2.6%	--
	Oracle Forms	49.2%	41.9%	49.5%	55.8%	54.0%
	Oracle Forms character mode	4.9%	9.7%	--	2.6%	--
	HTML-DB/Application Express	--	--	1.9%	--	6.0%
	IXOS	--	3.2%	--	--	--
	Mainframe	--	3.2%	--	--	--
	Microsoft Access	6.6%	12.9%	4.7%	1.3%	2.0%
	Powerbuilder	1.6%	--	1.9%	1.3%	--
	Oracle Reports	13.1%	16.1%	15.9%	13.0%	12.0%
	Visual Basic	3.3%	3.2%	0.9%	2.6%	--
	Others	19.7%	--	19.6%	19.5%	26.0%
What tools did you convert to?		62 responses	28 responses	115 responses	71 responses	40 responses
	Application Express	3.2%	14.3%	23.5%	40.8%	42.5%
	BI Publisher	--	--	3.5%	--	2.5%
	Crystal Reports	--	3.6%	1.7%	2.8%	--
	Oracle Designer	1.6%	3.6%	1.7%	--	--
	Oracle Forms GUI	35.5%	31.1%	14.8%	18.3%	15.0%
	JDeveloper	8.1%	10.7%	12.2%	8.5%	12.5%
	Java	6.5%	--	7.0%	1.4%	--
	JSP	--	3.6%	--	--	--
	.NET	9.7%	10.7%	9.6%	2.8%	--
	Oracle BI EE	--	--	3.5%	4.2%	5.0%
	Oracle Collaboration Suite	--	3.6%	--	--	--
	PHP	3.2%	3.6%	--	--	--
	PL/SQL	--	3.6%	--	--	--
	Oracle Reports	12.9%	10.7%	7.0%	2.8%	--
	Others	19.4%	--	14.0%	18.3%	22.5%
What do you think the demand will be for people with your skill set in two years?		195 responses	79 responses	419 responses	233 responses	109 responses
	not at all or hardly any	2.6%	0.0%	1.4%	0.9%	0.0%

Oracle Development Tool Trends

	less than today	30.8%	21.5%	14.1%	13.3%	13.8%
	same as today	35.9%	48.1%	44.4%	42.5%	46.8%
	more than today	20.5%	19.0%	29.1%	34.3%	30.3%
	very high	10.3%	11.4%	11.0%	9.0%	9.2%
	How do you think the employment situation for Oracle developers in general will be in two years?	197 responses	80 responses	416 responses	232 responses	107 responses
	very bad	5.1%	0.0%	1.9%	1.3%	0.0%
	worse than today	27.4%	17.5%	13.5%	11.6%	10.3%
	same as today	41.6%	56.3%	50.5%	44.4%	47.7%
	better than today	21.3%	18.8%	24.5%	34.5%	29.9%
	very good	4.6%	7.5%	9.6%	8.2%	12.1%
	How interesting do you think future Oracle development jobs will be?	196 responses	79 responses	414 responses	225 responses	106 responses
	Less than today	19.9%	7.6%	10.6%	7.1%	3.8%
	same as today	50.0%	62.0%	48.3%	53.8%	51.9%
	more than today	30.1%	30.4%	41.1%	39.1%	44.3%

Future Plans

Comments and suggestions are always appreciated.

Author

John Jeunette is an application architect and developer for Prairie Systems Group, Limited in Denver, Colorado. He is actively involved with the Oracle Development Tools User Group and the Rocky Mountain Oracle Users Group because both groups are a great way to share information. He has served as ODTUG Director, Conference Chair, and President. He may be contacted at (303) 703 3940 or JohnJeunette at PrairieSystemsGroup.com. Our web site is www.prairiesystemsgroup.com.