



# Strategic Developer Report

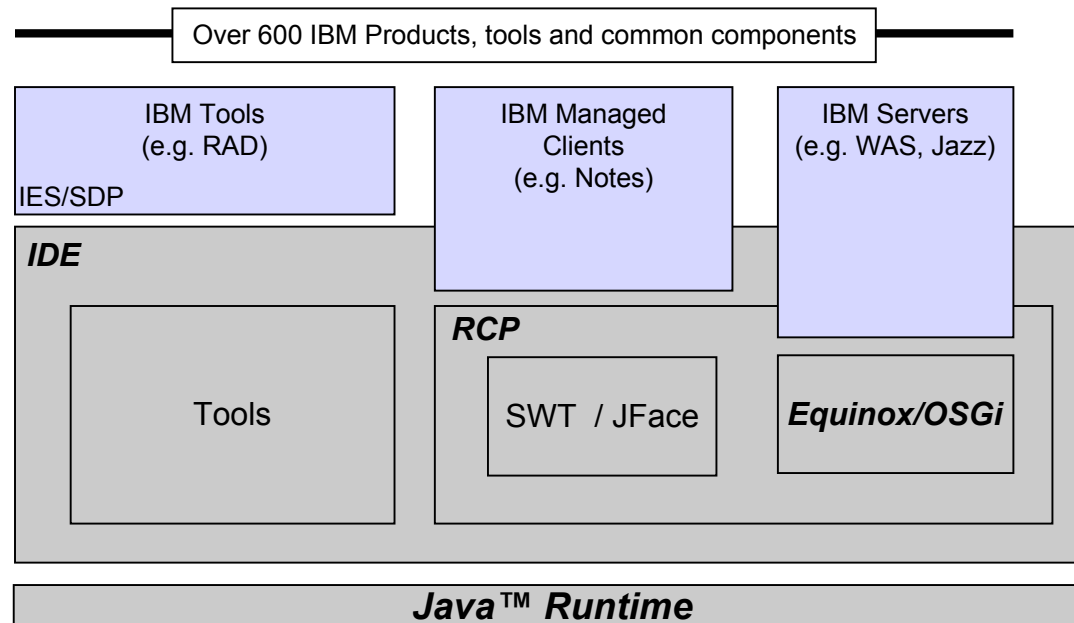
IBM

December 9, 2009  
Miami, Florida

December 4, 2009



# Eclipse and IBM



*Equinox implements the OSGi core component framework specification enabling a symmetric component, service, and deployment programming model spanning servers, clients, and tools.*

*RCP, adds the ability to blend both new and existing desktop and web applications across operating systems.*

*IDE, exploits the integration capability of RCP to enable a cross operating system tooling eco-system.*

**Strategy: Deliver value added products on top of Open Standards and Open Source**

# Leveraging Eclipse



- IBM Rational Jazz Project
  - IBM Rational Team Concert, IBM Rational Method Composer, IBM Rational Quality Manager, IBM Rational Requirements Composer, IBM Rational Project Conductor
- IBM Software Development Platform (SDP)
  - Leverages Eclipse as an integration framework
  - Offerings across WebSphere, Lotus, Rational, Tivoli and Information Management
- IBM Lotus Expeditor/Notes/Sametime/...
  - Equinox based RCP for open, collaborative, cross platform desktop and embedded applications
  - Base for Lotus Notes and Lotus Sametime
- IBM WebSphere Application Server
  - J2EE tools, J2EE Deploy
  - Equinox as a base for WAS implementation
- On-line documentation
  - On-line documentation standardized on the Eclipse help system

**Over 600 IBM Products, tools and common components redistribute 60 Eclipse projects:**  
Datatools, Device Software Development Platform, Eclipse Modeling, Eclipse RT, Several Eclipse Technology Projects, Tools Projects, Test and Performance Tools Platform, Eclipse Web Tools Platform

# Leadership at Eclipse



- Of the 123 projects at Eclipse, IBM contributes to 60 and leads 39
- Of the 11 PMC's at Eclipse, IBM has 14 employees on 8 of them
- IBM also participates in Eclipse initiatives, some examples are: Mobile Industry Working Group, Accessibility Cross-Project Team, Planning Council, Democamps, Eclipse WTP in University Course...

## **Eclipse Projects/Subprojects with IBM Contributions**

### Business Intelligence and Reporting Tools (BIRT)

#### Data Tools Platform (DTP)

- Enablement
- Model Base
- SQL Dev Tools

#### DSDP – Target Management

#### Eclipse Project

e4

#### Java Development Tools (JDT)

#### Plugin Development Environment (PDE)

#### Eclipse Platform

#### Eclipse Project Incubator

#### Eclipse Modeling Project

#### Generative Modeling Technologies (GMT)

#### Graphical Modeling Framework (GMF)

#### Model Development Tools (MDT)

#### Eclipse Model Framework Technology (EMFT)

#### Model To Text (M2T) & JET

#### Model Development Tools (MDT) & XSD

#### Eclipse RT

#### Eclipse Communication Framework

#### Equinox & P2

#### embedded Rich Client Platform

#### rt.jetty

#### Eclipse Technology Project

#### Accessibility Tools Framework

#### Babel

#### BPEL Designer Project

#### Community-driven Systems Management in Open Source Project (COSMOS)

#### Dash, Tools for Committers

#### The IDE Meta-tooling Platform

#### Linux Tools

#### Open Healthcare Framework

#### Eclipse Process Framework

#### Spatio-Temporal Epidemiological Modeler

#### Tools Project

#### C/C++ Development Tooling (CDT)

#### GEF - Graphical Editor Framework

#### Mylyn

#### Eclipse Orbit Project

#### Parallel Tools Platform

#### PHP Development Tools

#### VE - Visual Editor

#### Test and Performance Tools Platform Project

#### Monitoring Tools

#### Testing Tools

#### TPTP Platform

#### Tracing & Profiling Tools

#### Eclipse Web Tools Platform Project

#### WTP Common Tools

#### Datatools

#### WTP EJB Tools

#### WTP Java EE Tools

#### JavaServer Faces

#### Webtools Releng

#### Server Tools

#### WTP Source Editing

#### Web Services Tools

#### Webtools Website

#### WTP Incubator

- **Blue** Projects indicate IBM on PMC
- **Blue** subprojects indicate IBM Lead or Co-lead

# Investment in Eclipse



## Number of Active Committers: 133

In addition, IBM contributes:

- 2 Active Board Members of the Eclipse Foundation
- Active participants in Compensation, IP Advisory, Finance, Strategy Committees
- Active participants in Requirements, Architecture, Planning Councils, Cross Project Teams
- Active participants in Marketing, Standards working groups
- Dedicated marketing staff and programs to promote value of Eclipse
- Actively promotes Eclipse branding through ingredient branding of IBM offerings
- Recruits and supports ISV's & business partners building Eclipse-based plug-ins
- Research and ad tech at alphaWorks and developerWorks
- 7 books about Eclipse, including Amazon top seller
- Commercial Eclipse Education through IBM Global Campus
- EclipseCon 2009 Gold sponsor
- 74 of 103 Articles at eclipse.org are by IBM employees
- Eclipse evangelism – talks, interviews, podcasts, webinars, tutorials by IBM Eclipse leaders

# Dash Reports (as of 12/03/09)

IBM 133 (23.29%) 177 (30.2%) 310 (26.79%) 42.9% 254,388 (17.63%) 9,926,943 (26.3%)



IBM: LOC & Committer Count for 60 Projects

Project	Committers	Commits	LOC
datatools	3 6 9	316	3,490
datatools.connectivity	1 3 4	66	377
datatools.enablement	2 1 3	70	284
datatools.modelbase	2 3 5	39	700
datatools.sqltools	1 3 4	98	2,005
dsdp.tm	2 2 4	563	11,439
eclipse	1 2 3	13	50
eclipse.e4	16 39 55	8,258	290,035
eclipse.jdt	15 33 48	7,778	196,761
eclipse.jdt.core	8 8 16	4,363	148,959
eclipse.pde	10 13 23	8,473	197,434
eclipse.platform	42 70 112	49,724	2,731,709
modeling.emf	3 2 5	1,148	34,739
modeling.emft	1 1 2	829	11,933
modeling.gmf	6 2 8	858	37,670
modeling.gmt.modisco	1 0 1	1	1
modeling.m2t	1 0 1	580	21,451
modeling.m2t.jet	1 0 1	580	21,451
modeling.mdt	2 2 4	390	20,290
modeling.mdt.xsd	1 2 3	101	1,230
rt	16 19 35	12,949	307,997
rt.ecf	1 1 2	207	2,754
rt.equinox	10 8 18	12,326	298,170
rt.equinox.p2	7 1 8	10,120	208,111
rt.ercp	5 10 15	416	7,073
rt.jetty	1 0 1	29	29
technology.actf	6 1 7	2,490	48,090
technology.babel	1 0 1	147	532
technology.bpel	1 1 2	181	10,432
technology.cosmos	2 6 8	2,653	72,103
technology.dash	9 8 17	6,697	777,283
technology.epf	9 6 15	2,584	31,763
technology.imp	3 0 3	5,101	5,101
technology.linux-distros	1 0 1	837	837
technology.mat	1 0 1	137	153
technology.ohf	9 3 12	31,673	1,108,616
technology.stem	5 0 5	14,019	14,019
tools.cdt	3 7 10	3,638	638,719
tools.gef	6 8 14	513	17,781
tools.mylyn	1 0 1	10	46
tools.orbit	5 2 7	8,982	718,142
tools.pdt	1 0 1	35	931
tools.ptp	6 2 8	4,919	141,374
tools.ve	5 10 15	238	5,599
tptp	7 24 31	8,185	402,120
tptp.monitoring	5 6 11	135	786
tptp.performance	4 2 6	74	530
tptp.platform	6 7 13	3,313	87,422
tptp.test	4 6 10	1,205	32,162
webtools	17 21 38	18,161	628,130
webtools.common	6 16 22	1,333	26,323
webtools.datatools	1 11 12	22	103
webtools.ejbtools	3 9 12	252	2,229
webtools.incubator	2 0 2	70	284
webtools.jeetools	4 15 19	4,039	82,498
webtools.jsf	1 0 1	1	40
webtools.releng	15 13 28	5,563	304,538
webtools.servertools	4 8 12	559	7,684
webtools.sourceediting	9 15 24	5,570	193,282
webtools.webservices	6 11 17	757	11,149

# IBM Reported Bugs/Enhancements



IBM Reported bugs/enhancements (01/01/2009 to 12/03/2009)

## Severity

Classification

	blocker	critical	major	normal	minor	trivial	enhancement	Total
BIRT	<u>2</u>	<u>9</u>	<u>20</u>	<u>74</u>	<u>16</u>	<u>5</u>	<u>6</u>	<u>132</u>
DSDP	<u>1</u>	<u>3</u>	<u>7</u>	<u>174</u>	<u>9</u>	<u>4</u>	<u>15</u>	<u>213</u>
DataTools	<u>1</u>	<u>3</u>	<u>9</u>	<u>67</u>	<u>26</u>	<u>2</u>	<u>1</u>	<u>109</u>
Eclipse	<u>27</u>	<u>68</u>	<u>299</u>	<u>3998</u>	<u>219</u>	<u>163</u>	<u>451</u>	<u>5225</u>
Eclipse Foundation	<u>16</u>	<u>7</u>	<u>14</u>	<u>229</u>	<u>11</u>	<u>2</u>	<u>15</u>	<u>294</u>
Modeling	<u>6</u>	<u>9</u>	<u>24</u>	<u>306</u>	<u>21</u>	<u>2</u>	<u>42</u>	<u>410</u>
RT	<u>17</u>	<u>29</u>	<u>82</u>	<u>1011</u>	<u>43</u>	<u>10</u>	<u>76</u>	<u>1268</u>
TPTP	<u>36</u>	<u>60</u>	<u>84</u>	<u>233</u>	<u>26</u>	<u>2</u>	<u>1</u>	<u>442</u>
Technology	<u>1</u>	<u>3</u>	<u>20</u>	<u>274</u>	<u>15</u>	<u>2</u>	<u>39</u>	<u>354</u>
Tools	<u>13</u>	<u>8</u>	<u>25</u>	<u>350</u>	<u>18</u>	<u>10</u>	<u>43</u>	<u>467</u>
WebTools	<u>16</u>	<u>22</u>	<u>130</u>	<u>931</u>	<u>70</u>	<u>15</u>	<u>128</u>	<u>1312</u>
<b>Total</b>	<b><u>136</u></b>	<b><u>221</u></b>	<b><u>714</u></b>	<b><u>7647</u></b>	<b><u>474</u></b>	<b><u>217</u></b>	<b><u>817</u></b>	<b><u>10226</u></b>

# Reports Fixed by IBM



Reports fixed by IBM (01/01/2009 to 12/03/2009)

Classification	Severity							Total
	blocker	critical	major	normal	minor	trivial	enhancement	
DSDP	<u>1</u>	<u>8</u>	<u>4</u>	<u>129</u>	<u>6</u>	<u>1</u>	<u>7</u>	<u>156</u>
DataTools	.	<u>1</u>	<u>2</u>	<u>18</u>	.	.	.	<u>21</u>
Eclipse	<u>16</u>	<u>47</u>	<u>223</u>	<u>1991</u>	<u>104</u>	<u>118</u>	<u>107</u>	<u>2606</u>
Eclipse Foundation	<u>1</u>	.	.	<u>29</u>	.	.	<u>1</u>	<u>31</u>
Modeling	.	<u>2</u>	<u>8</u>	<u>175</u>	<u>8</u>	<u>2</u>	<u>26</u>	<u>221</u>
RT	<u>6</u>	<u>13</u>	<u>26</u>	<u>442</u>	<u>15</u>	<u>4</u>	<u>20</u>	<u>526</u>
TPTP	<u>20</u>	<u>43</u>	<u>54</u>	<u>144</u>	<u>21</u>	.	.	<u>282</u>
Technology	.	<u>4</u>	<u>12</u>	<u>153</u>	<u>12</u>	.	<u>12</u>	<u>193</u>
Tools	<u>4</u>	<u>10</u>	<u>8</u>	<u>152</u>	<u>4</u>	<u>2</u>	<u>9</u>	<u>189</u>
WebTools	<u>12</u>	<u>22</u>	<u>84</u>	<u>583</u>	<u>19</u>	<u>6</u>	<u>40</u>	<u>766</u>
<b>Total</b>	<u>60</u>	<u>150</u>	<u>421</u>	<u>3816</u>	<u>189</u>	<u>133</u>	<u>222</u>	<u>4991</u>

Note: This is a lower bound. Actual numbers are much higher



# Bug Comments by IBM



Bug Comments by IBM (01/01/2009 to 12/03/2009)

## Severity

Classification

	blocker	critical	major	normal	minor	trivial	enhancement	Total
BIRT	<u>3</u>	<u>9</u>	<u>20</u>	<u>80</u>	<u>16</u>	<u>5</u>	<u>9</u>	<u>142</u>
DSDP	<u>2</u>	<u>8</u>	<u>11</u>	<u>203</u>	<u>11</u>	<u>4</u>	<u>19</u>	<u>258</u>
DataTools	<u>2</u>	<u>3</u>	<u>11</u>	<u>91</u>	<u>26</u>	<u>2</u>	<u>2</u>	<u>137</u>
Eclipse	<u>73</u>	<u>184</u>	<u>666</u>	<u>6371</u>	<u>393</u>	<u>235</u>	<u>977</u>	<u>8899</u>
Eclipse Foundation	<u>20</u>	<u>12</u>	<u>29</u>	<u>315</u>	<u>14</u>	<u>3</u>	<u>30</u>	<u>423</u>
Modeling	<u>12</u>	<u>18</u>	<u>41</u>	<u>402</u>	<u>25</u>	<u>5</u>	<u>63</u>	<u>566</u>
RT	<u>42</u>	<u>65</u>	<u>153</u>	<u>1639</u>	<u>67</u>	<u>15</u>	<u>163</u>	<u>2144</u>
STP	<u>1</u>	.	.	.	.	.	.	<u>1</u>
TPTP	<u>44</u>	<u>75</u>	<u>116</u>	<u>296</u>	<u>27</u>	<u>2</u>	<u>4</u>	<u>564</u>
Technology	<u>6</u>	<u>17</u>	<u>41</u>	<u>418</u>	<u>26</u>	<u>4</u>	<u>66</u>	<u>578</u>
Tools	<u>15</u>	<u>22</u>	<u>48</u>	<u>496</u>	<u>29</u>	<u>14</u>	<u>78</u>	<u>702</u>
WebTools	<u>22</u>	<u>41</u>	<u>210</u>	<u>1381</u>	<u>88</u>	<u>18</u>	<u>206</u>	<u>1966</u>
<b>Total</b>	<b><u>242</u></b>	<b><u>454</u></b>	<b><u>1346</u></b>	<b><u>11692</u></b>	<b><u>722</u></b>	<b><u>307</u></b>	<b><u>1617</u></b>	<b><u>16380</u></b>

# New & Noteworthy



- e4 Project continues to explore future directions for Eclipse
  - Approx. 50 committers; 40% IBM (1/3 making active contributions)
  - Many work areas -- It's an incubator
  - Some will show up in 3.x, some in 4.0 only
  - Interesting new technologies (flexible programming model, modeled user-interface, declarative styling, web integration, declarative widgets, flexible resources, backwards compatibility)
- Babel continues to grow
  - Babel Language Packs 0.7.1 announced in November, 2009
  - 34 languages; 40+ Eclipse projects and sub-projects
  - 6 languages that > 90% complete, 23 languages that are > 70% complete
- Enhanced focus on accessibility
  - Cross Project Accessibility Task Force proposal submitted to Planning Council.