

What are developers using in Eclipse?

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What?

- Usage Data Collector (UDC) included in all Eclipse Package since Ganymede (not Classic SDK download)
- UDC collects developer events that occur within the IDE;
 - collects data on commands, perspectives, bundles, views, etc being used
 - Data is collected on ALL plugins, including eclipse.org project and third party commercial products

Privacy Concerns

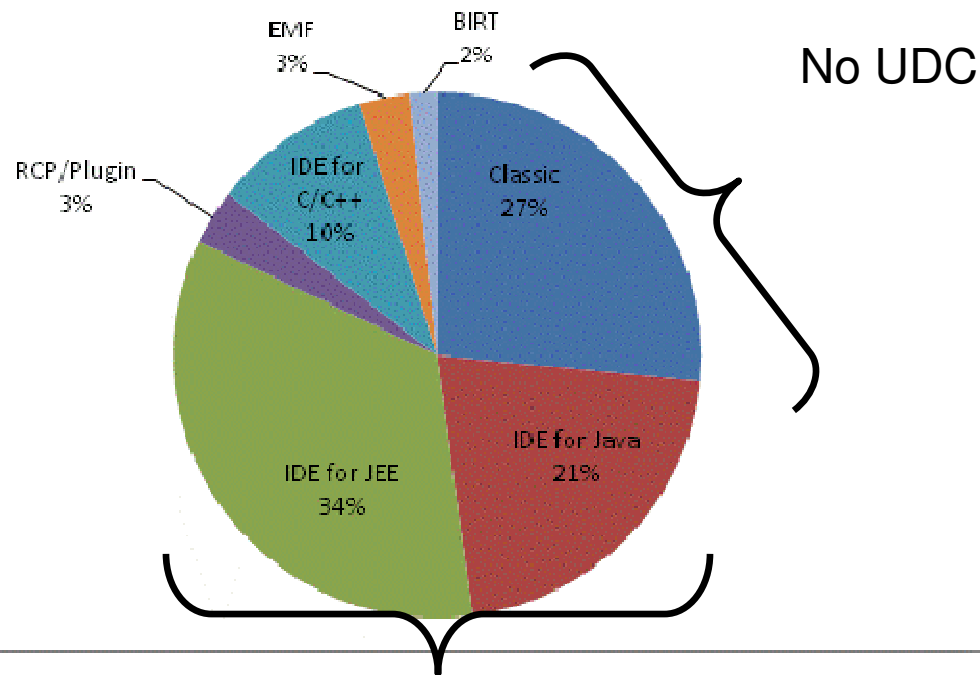
- UDC is opt-in for the user
 - UDC is not included in the Eclipse Classic SDK download, so there is a 'udc free' download.
- All data collected is anonymous
 - We don't store IP addresses but we do store geography
- Users have the ability to filter what is sent via UDC
 - Including on only send data about eclipse projects
- Direct access to the raw data will be limited to Eclipse Foundation employees and contractors
 - We will publish reports about the data; reports will be scrubbed for any 'private' data
 - We will not sell the raw data to any organization

Warning on data interpretation

- UDC data is very new; we still don't know what we don't know.
Caveat Emptor - Buyer Beware
- Data is impacted by how the product architecture and functionality
 - Interpretation of data depends on architecture and functionality
 - This presentation may not interpret the data correctly
- Data does not include any representation of users that get Eclipse from distros or commercial products
- Data sample are people that have download a package from eclipse.org

Compared to download stats

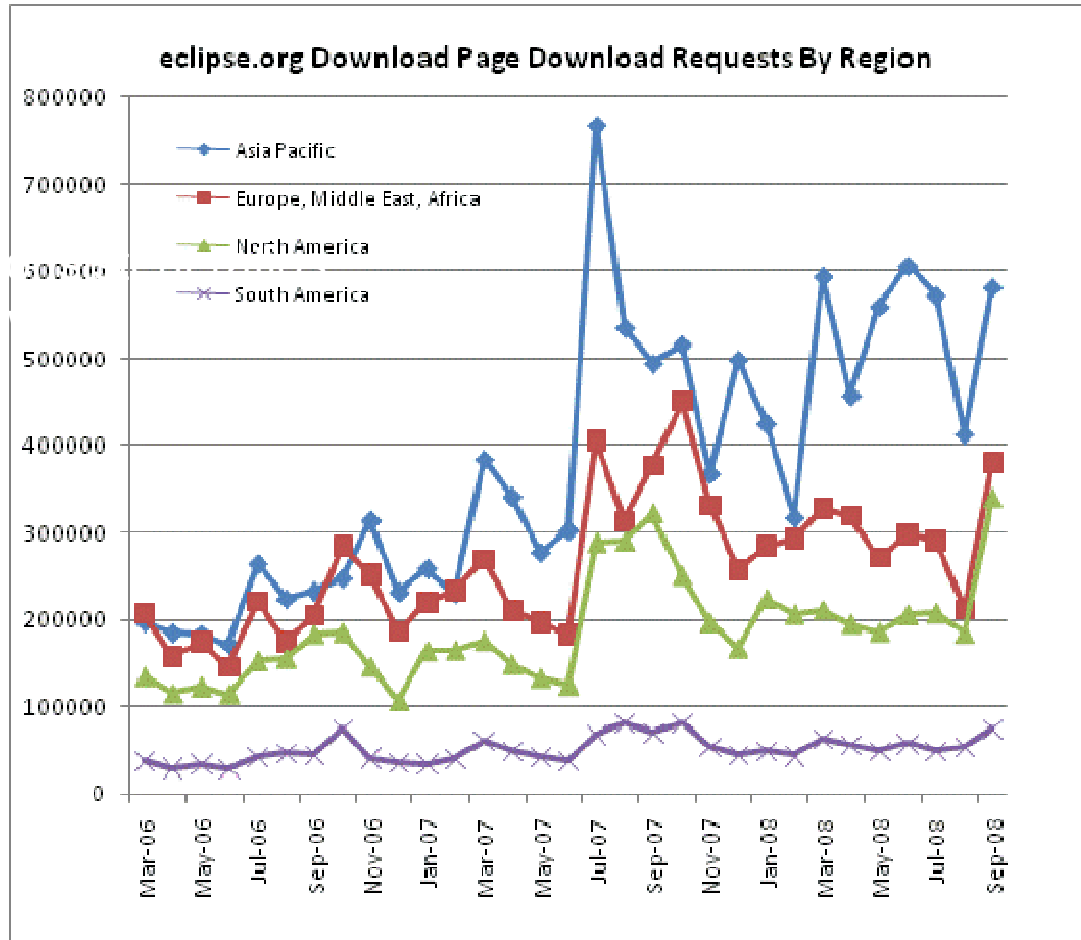
eclipse.org Downloads Page Download Requests by Package for September, 2008



55% Java oriented package

	All	Packages
Sept	1,376,609	1,006,024
Aug.	870,031	550,043

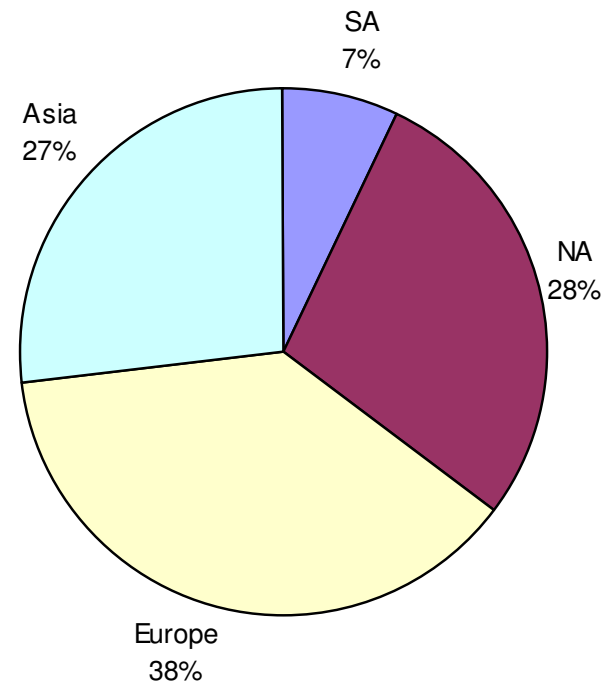
Compared to download stats



- Asia is our top region for downloads

Who is contributing Data?

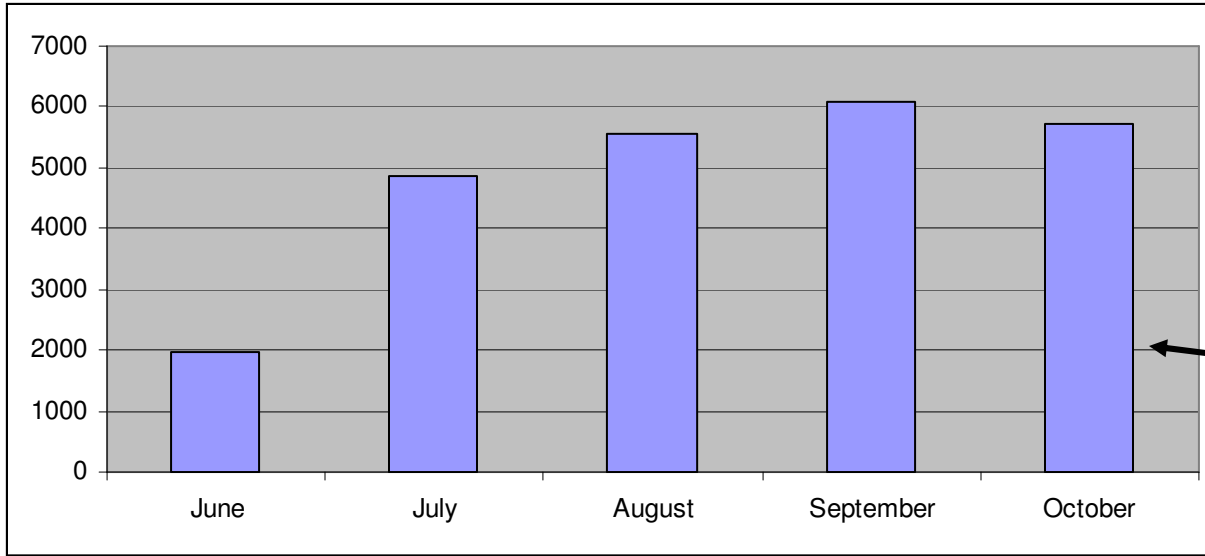
- Approximately 60,000 users contributed data on October.
- Collected data on 9000+ bundles since June.
- Data appears to be slightly skewed towards Europe.



What Do We Capture

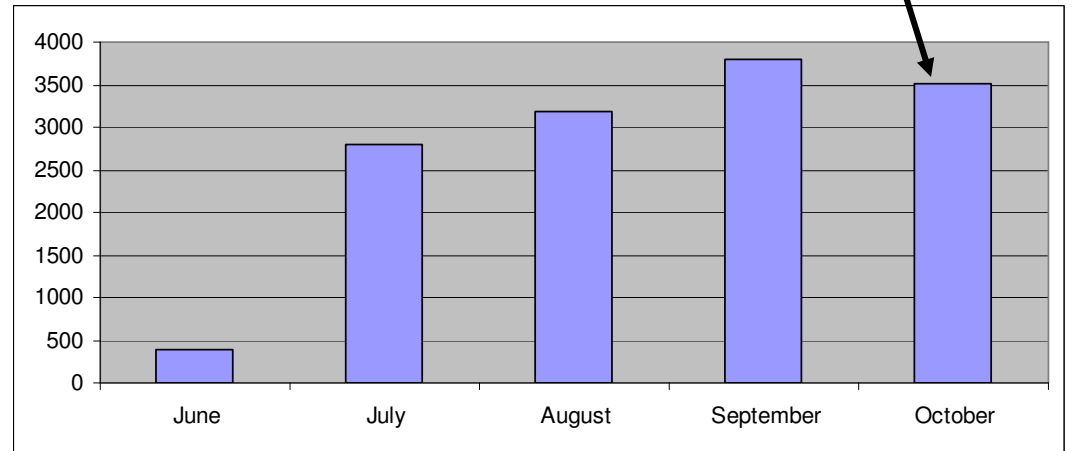
- User activation of different Eclipse artifacts
 - Bundles (ie plugins)
 - Views
 - Commands
 - Perspective
 - Editors

Bundles



Partial data for October

Diversity



Intensity

JDT

org.eclipse.jdt.core	54384
org.eclipse.jdt.ui	54353
org.eclipse.jdt.core.manipulation	54297
org.eclipse.jdt.launching	48103
org.eclipse.jdt.apt.core	43856
org.eclipse.jdt.debug	40937
org.eclipse.jdt.debug.ui	40207
org.eclipse.jdt.junit	37847
org.eclipse.jdt.apt.pluggable.core	28969
org.eclipse.jdt.launching.macosx	3877
org.eclipse.jdt.apt.ui	681

- Most popular project seems to be the JDT
- No big surprise

Web Tools - WST

org.eclipse.wst.sse.core	40141	
org.eclipse.wst.common.project.facet.core	40113	
org.eclipse.wst.common.frameworks	39766	
org.eclipse.wst.ws.service.policy.ui	37344	
org.eclipse.wst.xml.core	37223	
org.eclipse.wst.common.emf	36214	
org.eclipse.wst.common.emfworkbench.ui	35946	
org.eclipse.wst.validation	35688	
org.eclipse.wst.common.modulecore	35264	
org.eclipse.wst.sse.ui	32666	
org.eclipse.wst.jsdt.core	31781	
org.eclipse.wst.dtd.core	31373	
org.eclipse.wst.xsd.core	31325	
org.eclipse.wst.jsdt.manipulation	30041	
org.eclipse.wst.jsdt.ui	30038	
org.eclipse.wst.web	29679	
org.eclipse.wst.server.core	29490	
org.eclipse.wst.server.ui	29410	
org.eclipse.wst.html.ui	28888	
org.eclipse.wst.wsdl.validation	28682	} Web Services Validation
org.eclipse.wst.common.uriresolver	22179	
org.eclipse.wst.common.frameworks.ui	21953	
org.eclipse.wst.xml.ui	20379	} XML Editing
org.eclipse.wst.dtd.ui	19044	
org.eclipse.wst.wsi.ui	18933	
org.eclipse.wst.jsdt.web.core	18890	

Java Standard Tools (JST)

org.eclipse.jst.jsf.core	37284	
org.eclipse.jst.jsf.common	37175	
org.eclipse.jst.common.project.facet.core	35690	
org.eclipse.jst.jee	32807	
org.eclipse.jst.j2ee	32779	
org.eclipse.jst.j2ee.core	32761	
org.eclipse.jst.jsp.core	29035	
org.eclipse.jst.server.ui	21204	
org.eclipse.jst.j2ee.webservice	20880	
org.eclipse.jst.j2ee.webservice.ui	20858	} Java EE Development
org.eclipse.jst.j2ee.ui	20611	
org.eclipse.jst.j2ee.web	20265	
org.eclipse.jst.common.frameworks	20226	
org.eclipse.jst.server.core	17759	
org.eclipse.jst.j2ee.ejb	17473	} Servlet Development
org.eclipse.jst.servlet.ui	17165	
org.eclipse.jst.j2ee.jca	17043	
org.eclipse.jst.jee.ui	15363	} JSP Development
org.eclipse.jst.jsp.ui	12036	
org.eclipse.jst.jsf.ui	11804	
org.eclipse.jst.j2ee.navigator.ui	11764	
org.eclipse.jst.server.tomcat.core	10173	} Tomcat Development
org.eclipse.jst.server.tomcat.ui	6629	
org.eclipse.jst.jee.ejb	5377	
org.eclipse.jst.jee.web	5360	

PDE

org.eclipse.pde.ui	31460
org.eclipse.pde.core	18462
org.eclipse.pde.api.tools.ui	16396
org.eclipse.pde.build	6221
org.eclipse.pde	5403
org.eclipse.pde.api.tools	2391
org.eclipse.pde.ui.templates	207

ECF

org.eclipse.ecf.filetransfer	15181
org.eclipse.ecf.provider.filetransfer	15131
org.eclipse.ecf.identity	15084
org.eclipse.ecf	15011
org.eclipse.ecf.provider.xmpp	1742
org.eclipse.ecf.provider.bittorrent	1733
org.eclipse.ecf.provider.filetransfer.efs	1730
org.eclipse.ecf.provider.filetransfer.scp	1723
org.eclipse.ecf.provider.jmdns	1714
org.eclipse.ecf.provider	1714
org.eclipse.ecf.docshare	1714
org.eclipse.ecf.sharedobject	1713
org.eclipse.ecf.provider.irc	1712
org.eclipse.ecf.provider.msn	1709
org.eclipse.ecf.discovery	1706
org.eclipse.ecf.provider.discovery	1701
org.eclipse.ecf.presence.collab.ui	1683
org.eclipse.ecf.provider.r_osgi	1679
org.eclipse.ecf.example.collab	1483
org.eclipse.ecf.ui	1294
org.eclipse.ecf.provider.jslp	1274
org.eclipse.ecf.provider.msn.ui	1241
org.eclipse.ecf.filetransfer.ui	1241
org.eclipse.ecf.provider.xmpp.ui	1239
org.eclipse.ecf.provider.irc.ui	1237
org.eclipse.ecf.provider.bittorrent.ui	1237
org.eclipse.ecf.presence	949
org.eclipse.ecf.presence.ui	947



ECF is used by p2

Subclipse

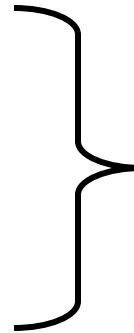
org.tigris.subversion.subclipse.core	11 006
org.tigris.subversion.subclipse.ui	10 906
org.tigris.subversion.clientadapter	8 946
org.tigris.subversion.clientadapter.javahl	6 999
org.tigris.subversion.subclipse.mylyn	6 319
org.tigris.subversion.clientadapter.svnkit	5 418

Support for Subversion team programming

Requires separate download

CDT

org.eclipse.cdt.core	8926
org.eclipse.cdt.ui	8400
org.eclipse.cdt.make.ui	8204
org.eclipse.cdt.launch	6854
org.eclipse.cdt.debug.core	6779
org.eclipse.cdt.make.core	5901
org.eclipse.cdt.debug.ui	5678
org.eclipse.cdt.managedbuilder.core	5326
org.eclipse.cdt.debug.mi.core	4261
org.eclipse.cdt.debug.mi.ui	4253
org.eclipse.cdt.managedbuilder.gnu.ui	4083
org.eclipse.cdt.mylyn.ui	3731
org.eclipse.cdt.managedbuilder.ui	3448
org.eclipse.cdt.core.tests	529
org.eclipse.cdt.ui.tests	493
org.eclipse.cdt.managedbuilder.core.tests	332
org.eclipse.cdt.managedbuilder.xlc.ui	138
org.eclipse.cdt.managedbuilder.ui.tests	134



- Roughly matches the fact that 10% of downloads are C/C++ package

- Most C/C++ user get Eclipse from a distro

Datatools

org.eclipse.datatools.connectivity	6475
org.eclipse.datatools.connectivity.ui	3800
org.eclipse.datatools.connectivity.ui.dse	3061
org.eclipse.datatools.connectivity.sqm.core	2956
org.eclipse.datatools.modelbase.sql	2783
org.eclipse.datatools.sqltools.editor.core	2180
org.eclipse.datatools.sqltools.db.generic	2172
org.eclipse.datatools.sqltools.db.derby	2131
org.eclipse.datatools.sqltools.sqleditor	2081
org.eclipse.datatools.connectivity.apache.derby	1978
org.eclipse.datatools.enablement.sybase.ase	1976
org.eclipse.datatools.enablement.sybase.asa	1972
org.eclipse.datatools.sqltools.sqlscrapbook	1767
org.eclipse.datatools.sqltools.sql	1582
org.eclipse.datatools.sqltools.routineeditor	1543
org.eclipse.datatools.sqltools.debugger.core	1516
org.eclipse.datatools.sqltools.common.ui	1220
org.eclipse.datatools.connectivity.sqm.core.ui	1142
org.eclipse.datatools.enablement.sybase	1129
org.eclipse.datatools.connectivity.sqm.server.ui	1025
org.eclipse.datatools.connectivity.oda.design.ui	956
org.eclipse.datatools.sqltools.result	812
org.eclipse.datatools.enablement.sybase.ase.ui	739
org.eclipse.datatools.enablement.sybase.asa.ui	734
org.eclipse.datatools.enablement.ibm.db2.luw.u	729
org.eclipse.datatools.connectivity.oda.profile	720
org.eclipse.datatools.enablement.ibm.db2.luw	684
org.eclipse.datatools.enablement.ibm.db2.iserie	672
org.eclipse.datatools.enablement.ibm.db2.zserie	665

Others in the 1500-2500 Range

- SpringIDE
- DLTK
- M2M
- Hibernate
- RSE
- Maven
- PyDev
- AJDT
- BIRT
- `ch.ethz.iks.r_osgi.remote` (remote OSGI)
- JBoss Tools
- AspectJ

Views

org.eclipse.ui.console.ConsoleView	42188
org.eclipse.jdt.ui.PackageExplorer	40200
org.eclipse.ui.navigator.ProjectExplorer	24492
org.eclipse.ui.views.ProblemView	24142
org.eclipse.ui.views.ContentOutline	21265
org.eclipse.debug.ui.DebugView	12163
org.eclipse.search.ui.views.SearchView	11223
org.eclipse.wst.server.ui.ServersView	11013
org.eclipse.debug.ui.VariableView	7689
org.eclipse.team.sync.views.SynchronizeView	7151
org.eclipse.ui.views.ResourceNavigator	6998
org.eclipse.jdt.ui.TypeHierarchy	6780
org.eclipse.mylyn.tasks.ui.views.tasks	6137
org.eclipse.ui.views.ProgressView	5737
org.eclipse.team.ui.GenericHistoryView	5198
org.eclipse.jdt.ui.JavadocView	5168
org.eclipse.ui.views.PropertySheet	4886
org.eclipse.ui.views.TaskList	4674
org.eclipse.jdt.ui.SourceView	4530
org.eclipse.jdt.junit.ResultView	4364
org.eclipse.ui.internal.introview	3813
org.eclipse.debug.ui.BreakpointView	3539
org.eclipse.datatools.connectivity.DataSourceEx	2949
org.eclipse.ant.ui.views.AntView	2625

Perspectives

org.eclipse.jdt.ui.JavaPerspective	41291
org.eclipse.jst.j2ee.J2EEPerspective	22925
org.eclipse.debug.ui.DebugPerspective	12789
org.eclipse.team.ui.TeamSynchronizingPerspective	6570
org.eclipse.cdt.ui.CPerspective	6180
org.tigris.subversion.subclipse.ui.svnPerspective	2272
org.eclipse.ui.resourcePerspective	2205
org.eclipse.team.cvs.ui.cvsPerspective	1676
org.eclipse.jdt.ui.JavaBrowsingPerspective	1333
org.eclipse.team.svn.ui.repository.RepositoryPerspective	1198
org.python.pydev.ui.PythonPerspective	945
org.eclipse.pde.ui.PDEPerspective	921
org.eclipse.wst.web.ui.webDevPerspective	684
org.eclipse.datatools.sqltools.sqleditor.perspectives.EditorP	607
org.eclipse.php.perspective	459
net.sourceforge.phpclipse.PHPPerspective	387
com.adobe.flexbuilder.editors.mxml.ui.perspectives.develop	350
org.eclipse.birt.report.designer.ui.ReportPerspective	337
org.eclipse.mylyn.tasks.ui.perspectives.planning	281

Editors

org.eclipse.jdt.ui.CompilationUnitEditor	46388
org.eclipse.wst.xml.ui.internal.tabletree.XMLMultiPageEditorPart	16332
org.eclipse.ui.DefaultTextEditor	13889
org.eclipse.jdt.ui.ClassFileEditor	11289
org.eclipse.jst.jsp.core.jspsource.source	9471
org.eclipse.jdt.ui.PropertiesFileEditor	6433
org.eclipse.compare.CompareEditor	6396
org.eclipse.cdt.ui.editor.CEditor	5566
org.eclipse.ui.browser.editor	5203
org.eclipse.wst.html.core.htmlsource.source	4388
org.eclipse.ant.ui.internal.editor.AntEditor	4032
org.eclipse.wst.jsdt.ui.CompilationUnitEditor	2799
org.eclipse.debug.ui.sourcelookup.CommonSourceNotFoundEditor	2347
org.eclipse.wst.css.core.csssource.source	2347
org.eclipse.datatools.sqltools.sqlscrapbook.SQLScrapbookEditor	1884
org.eclipse.wst.server.ui.editor	1550
org.eclipse.pde.ui.manifestEditor	1264
org.python.pydev.editor.PythonEditor	1144
org.eclipse.cdt.make.editor	1132
org.maven.ide.eclipse.editor.MavenPomEditor	1080
org.eclipse.mylyn.tasks.ui.editors.task	866
org.eclipse.wst.xsd.ui.internal.editor.InternalXSDMultiPageEditor	795

Commands

org.eclipse.ui.edit.paste	49455
org.eclipse.ui.file.save	46541
org.eclipse.ui.edit.copy	45133
org.eclipse.ui.edit.delete	44997
org.eclipse.ui.edit.undo	34303
org.eclipse.ui.edit.cut	30271
org.eclipse.ui.edit.text.goto.lineEnd	28007
org.eclipse.ui.edit.text.goto.lineStart	23075
org.eclipse.ui.edit.text.contentAssist.proposals	22642
org.eclipse.ui.file.refresh	19800
org.eclipse.ui.edit.findReplace	18268
org.eclipse.ui.edit.text.select.lineEnd	17982
org.eclipse.ui.file.properties	17449
AUTOGEN:::org.eclipse.jdt.internal.ui.Compilation	17126
org.eclipse.ltk.ui.refactoring.commands.deleteRes	15630
org.eclipse.ui.edit.text.select.lineStart	14000
org.eclipse.ui.newWizard	13241
org.eclipse.ui.edit.selectAll	12987
org.eclipse.equinox.p2.ui.sdk.update	12965
org.eclipse.ui.file.import	10561

Summary Thoughts

- Java and enterprise Java seem to be the most prevalent development model.
 - Web services, EJB, servlets
- C/C++ seems to be the next most common language.
- Slow uptake of bundles from other sources (non eclipse.org)
 - Still early but could also be how products are packaged