DEVELOPING FOR OPENOFFICE.ORG

Kay Ramme

Senior Technical Architect Sun Microsystems





OpenOffice.org

OpenOffice.org

http://www.openoffice.org

- Open Source Office Suite
- ~ 2-3 million downloads a week
- ~ 2.5 million daily unique visitors
- ~100 localizations
- ~ 8 million loc (98% C++)
- ~ 120 million installations
- 10 Operating Systems
- 8 machine architectures
- Various C++ Compilers



Popular for ...

- The People
 - > Feature Set
 - > Localizable
 - > Portable
 - > Extendable
- The Governments
 - > Standard File Format (ODF)
 - > Open Source
- Others
 - > Emerging Markets
 - > Businesses



User Releases

- Frequent (Feature) Releases
 - > March 07 2.2 June 07 2.2.1
 - > Sept 07 2.3 Dec 07 2.3.1
 - > March 08 2.4 June 08 2.4.1
 - > Oct 08 3.0 Jan 09 3.0.1
 - > May 09 3.1
- major, minor and micro
 - > major = big features, "incompatibilities"
 - > minor = features
 - > micro = bug fixes (though sometimes a feature "slips" in :-)



Project vs. Product

- Project has a defined beginning and a defined (or recognized :-) end
- Many software developers do project work for varying customers
- Despite being called a "project" OOo is a product
- Same People working on OOo, from one release to the next



Product Advancement

Bazaar vs. Cathedral





Community

- All Users of OOo :^)
- Members
- Contributors (Issues, Patches, Extensions, ...)
- Developers
 - > Commits
 - > Work Spaces
- Project Leads
 - > Self Responsible
 - > Technical Leaders



Governance

- Project Leads "The Source Code"
- Native-Language Conf. Localizations
- Community Council (CC)
 - > Members of OOo
 - > Elected by OOo members
- Engineering Steering Committee (ESC)
 - > Technical Advice for CC
- Incubator Experimental / Upcoming Projects



Native Language Confederation

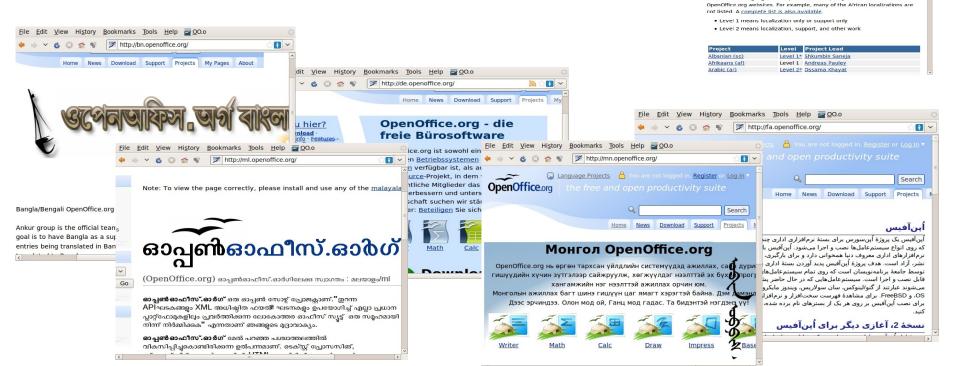
The <u>Native Language Confederation</u> includes those projects offering information, resources, and much more in a user's native language. Any registered member of OpenOffice.org may join any public project. To learn how to join, see the <u>Help</u>.

Note: Not all languages are represented here, only those that have

Projects of OpenOffice.org

Native-Lang: I18N / L10N

- Complex Text Layout (CTL)
- Bidirectional Writing (BiDi)





UNO

Integration

Vizard

Projects

Uno

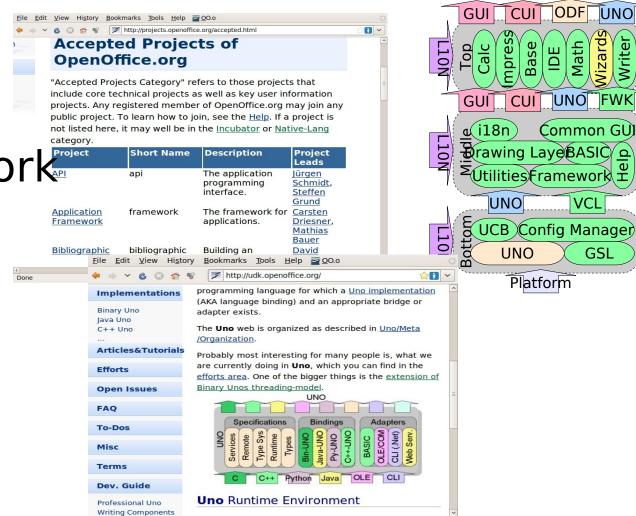
GSL

Framework

API

Writer

- Calc
- **Impress**





Product Coordination

- Communication
- Documentation
- Issues / Patches
- Work Spaces (Master / Child)
- Coding
- QA / Release Engineering
- Tooling / Automation



Communication / Documentation

- Channels
 - Mailing Lists / IRC / Mail
 - Conferences / (Virtual) Meetings

> Blogs / YouTube

- > Wiki / Forums
- Content
 - > Policies
 - > API Changes
 - > New Features
 - > Releases





Issues / Patches

- Any community member may create an issue Edit View History Bookmarks Tools Help 20.0 Inhttp://udk.openoffice.org/issues/buglist.cgi?cmdty;
- Simple fixes (changes (a patch) may be attached to an issue
- Give feed to a character NEW OPEN WebServices-1: SOAP-Bridge
- Contributing should contribution of should brown by should contribute should brown by should contribute should brown by should contribute should brown by should be sh



Master Work Space

- Master vs. Child Work Space
- All Releases from a MWS
 - Basically a marked snapshot of the source code repository
 - > Basis for all Child Work Space
- Release Branch vs. Development Branch
 - > User Releases
 - > Developer Snapshots (biweekly)



Child Work Space

- Created by a developer
- Branched off a MWS (e.g. Dev. Build)
- Bunch of changes checked into repository
- Policies
 - > Three platforms
 - > Automatic tests
 - > Tinderboxes
 - > QA Approval
- Integrated into a Master



Source Code

Files in Modules, Modules in Projects

■ Permanent link

■ PDF version

Coding Guides / Best Practices / Code

Reviews

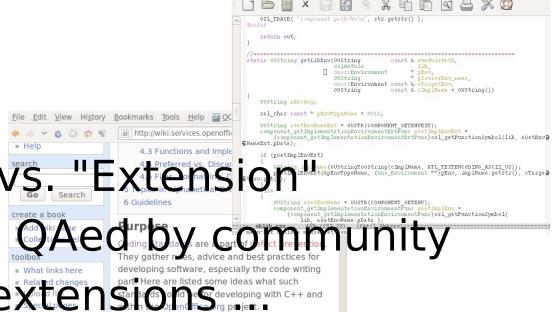
Unit Tests

Subversion

"Core code" vs

Releases are

Do more as ex



[edit]

Standards and Reviews

Coding standards and reviews are related. Reviews help getting to know standards and bringing them into the real life of the code. Reviews also help to improve standards and



Code Changes

- Bug fixes
 - > User visible / testable: involve QA
 - Code only: ask other developer for review
- Features
 - > UI visible: involve UX and QA
 - > API: involve developers for review
 - > All features need to be announced
- Re-Factoring
 - > Invisible
 - > Re-viewed by developers



Tooling

Build Bots

Environment Information System (EIS)

Issue Tracker

Code Managemer

Automatic Tests

> Integration

> Performance

> Tinderboxes

Document Fidelity

1	microsystems S	vstem 2.3.0			
	ld workspaces ster Workspaces	Master Workspa	ace info		
1	STOWSE MWS	Q⋈∆∀⊲ Q⋈∆∀⊲ Id IsProductPatch	Q>∢∆ ∀ ⊲ Parent Milestone	Q>∢∆ ∀ < Current milestone	Q.⊲∆ ∀⊲ Name
	Master Workspace	24 false	DEV300 m40	m11	000310
	Milestone info	23 false	DEV300 m26		TST123
>>		22 false	DEV300 m28	m15	000300
>>	Fixed issues per Milestone	21 false	DEV300 m21	m3	BEB300
	Fixed issues latest	20 false	DEV300 m10	m2	BEA300
22	Milestone	19 false	SRC680 m248	m47	DEV300
>>	Tinderbox status	18 true	SRC680 m241	m18	OOH680
Cha	anges-Mails	17 true	SRC680 m225	m10	OOG680
	ırcecode	16 true	OOF680 m13	m9	ODP680
Mis		14 true	SRC680 m199	m18	OOF680
Hel		13 true	SRC680 m190	m6	OOE680
Hei	P	12 true	SRC680 m181	m5	OOD680
		11 true	SRC680 m169	m7	OOC680
		9 true	SRC680 m156	m5	OOB680
		8 true	SRC680 m145	m1	OOA680
		7 true	SRC680 m145	m2	TMP680
		6 true	SRC680 m130	m3	000680
		4 true	SRX645 m22s1	m4s1	FIX645
		3 false	SRX645 m15	m248	SRC680
		O trus	CDVC44 m12a2	men	CDVCAE



Questions & Answers



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Kay Ramme

kay.ramme@sun.com



Some Links

- OOo http://www.openoffice.org
- History http://about.openoffice.org/#history
- CC http://council.openoffice.org/
- ESC http://council.openoffice.org/esc/
- Projects http://projects.openoffice.org/
- Native-Lang http://projects.openoffice.org/native-lang.html
- Me http://wiki.services.openoffice.org/wiki/KR