

### **4thpass Overview**

- Headquarters: Seattle, WA
- Founded in 1997 (self-funded)
- Current headcount: 68
- Technology focus on Wireless Provisioning Infrastructure
- Series 'A' funding in May 2001 (OVP, Invest Corp, Motorola & Nextel)
- Acquired by Motorola in September 2003
- Active member of various standard bodies world-wide (JSR 118, JSR 124, JSR 185, OMA, GSMA)
- Leading next generation technologies development to support 3G and other end-to-end data services initiatives

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**4thpass** 

## **Product History**

- Initial focus on 'Obfuscation' technology and Java deployment on clients. Targeted niche market with 'SourceGuard' product upon launch of company in 1997.
- Captured 70% of market within 18 months of launch of SourceGuard. Product focused on User Interface and ease of use. Three flavor of product: Enterprise, Professional and Basic.
- Launched KBrowser (micro-browser) in 1999. Launched on Palm platform and preview on Java using the earliest standards, evolving finally into support for MIDP 1.0. Customers: LG Telecom, RIM
- Became apparent that the bigger problems lie in getting applications to handset – Mainly in field of security, billing and authentication. Started design & development of Mobile Application System in fall 1999
- Commercial release of MAS in fall 2000
- · First MAS customer LG Telecom, Korea
- Next MAS Customer Telefonica Global (Spain)
- Current Customer base: LG Telecom, Telefonica, Nextel, mmO2, China Mobile (CMCC), T-Mobile (USA)
- Potentially 200 million+ customer on MAS system











# **Project Overview**

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l		reatures			sues	Mode	ling	Plane	ing	Design 8	s Build	Sh	p	Complete
1	Started	Completed	Total	Open	Blocked	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
l	116	60	672	1	1	9/27/02	9/27/02	104402	104402	12/23/02				33.84%
1	Pint.	Stated	States	1	Watsh	Late	E Co	mpleted						

#### Issue List

1	1	Ð	Issue Description	Assigned to	Planned date	Solved on	Features affected:
	20	6	Development database down.	Long Hoong	11.44/02		607,508,609,511,616,516,617,518,619,520,621
	Not 5		ted Stated Late Com	a latin d			

#### Subject Area Summary

	-	Subject Area		Features		
	10	Harrie	Started	Completed	Total	Complete
d B	4	content management	30	47	159	47.24%
ч.D	6	device management	25	0	69	31.84%
9, D	10	Rules Engine	1	7	8	87.82%
Q. D.	13	Filtering	Б	6	12	50.5%
9, P	17	SOAP API	0	0	1	0.0%
9, D	10	Transport	34	0	40	31.17%
d B	19	Subscriber Mangement	0	0	1	0.0%
<u>ч</u> р	20	Admin and Deployment	D	0	62	0.0%
9, D	29	Navigation	17	0	20	59.4%
9, P	30	Messaging	0	0	45	0.0%
<u>ч</u> В	31	Digital Rights Management	0	0	20	0.0%

		Relat Description	- In-	sues	Conceptual of
	10	Brief Description	Open	Slocked	Comptete
Q, ₽	11	DeviceTypeManager - bundle parsing.	0	0	99.0%
с II	12	FiberManager - pipeline configuration and basic filtering.	0	D	100.0%
d B	13	FilterManager - caching and device compatability updates	0	D	1.0%
d B	14	DeviceTypeManager - load and store functionality	1	1	99.0%
9, D	15	incompetibility Reasons	0	0	1.0%
J. D.	16	FilterManager - Rules Engine	0	0	100.0%
0,0	17	Content Scanning and Verification	0	0	100.0%
0	18	First Content Browser	D	D	393.0%
9.0	19	Delivery Manager Implementation + Oil for MMS/HTTP, Java for HTTP	0	D	44.0%
с. D	20	Content Management Screen Savers and Walkaper	D	D	0.5%

## **Feature List**

	ю.	Feature Name	Турю	Subject Area	Feature Set	Couple.	Complete	Complete date
9. DP	407	normalize boolean expression	PD	Rules Engine	Indiatzation	5	100.0%	10/16/03
- 0	408	generate RuleSystem from normalized expression	90	Rules Engine	intiekzetion	2	100.0%	10/16/02
о I2	439	get relevant content profiles from device	PD	Rules Engine	Matching	4	100.0%	10/16/02
а, рэ	-410	get Mutettystem trans content profile	PD	Rules Engine	Metorang	1	100.0%	10/16/02
а, I.a	411	get possible Delivery Methods for content profile	90	Rules Engine	Matching	1	100.0%	10/16/02
• D	412	get RuleSystem from Delivery Method	PD	Rules Engine	Matching	1	100.0%	10/16/02
9. D	413	reatch Content attributes against MuteSystem	PD	Rules Engine	Metoring	2	100.0%	10/16/02
ч, D	414	determine incompatibility reasons	PD	Rules Engine	Matching	3	1.0%	
- D	420	titler CetalogEntry with FilteringComponent	90	Filtering	Filtering	5	100.0%	10/16/02
о, D	421	filter Celegory using AccessPilter	PD:	Fillering	Fillering	2	100.0%	10/16/02
а, IP	422	Ner PhysicalContent using DeviceCompilabilityFilter	PD	Filtering	Fillering	a	100.0%	10/16/02
- D	423	titer ApplicationPhysicalContent using APtSecurityFilter	90	Filtering	Filtering	2	100.0%	10/16/02
о, IQ	424	suid FilerPeoline using FilterConfiguration	PD	Piltering	Filtering	3	100.0%	10/16/02
а, p	429	splate PillerCache for added PinnwarePanity	PD	Fillering	Filler Maragement	3	1.0%	
ч, D	430	update FilterCache for networkd FirmwareFamily	90	Filtering	Filter Management	2	1.0%	
а, D	431	update PitterCache for added CatelogEntry	PD	Filtering	Filter Management	4	1.0%	
а <b>, П</b>	432	update FilterCache for updated CalalogEntry	PD	Filtering	Filler Management	3	1.0%	
ч, D	433	update FilterCache for removed Cateloglinitry	PD	Filtering	Filter Management	3	1.0%	
a, 19	434	update FilterCache for updated FintwareFastily	90	Filtering	Filter Management	3	1.0%	
9, D	435	process FilerConfiguration from FilterConfigFile	PD .	Filtering	Filler Management	3	100.0%	10/16/02
94 BR	455	Validate OF Content type for the Content	PD	content monogement	treation gratestern	3	100.0%	10/16/02
9, D	455	SOAP API additions	90	SOAP AR	SOAP	3	0.0%	
of D	457	Log Purchase Agreement as Billing Event	PD.	content nonagement	logging content events	2	0.0%	
A D2	40.0	Log Download Attempt	90	content	logging content events	2	0.0%	

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### What Improvements are needed?

- Communication: Working towards improving communication between team members is very high on my agenda.
- Learn from past: Mistakes are not bad as long as one learns from mistake. More so in an environment with pressure to succeed.
- Make it more enjoyable and challenging: If one enjoys work and feels challenged, it improves team morale and team works more efficiently.
- Improve on processes as we learn, to make them more efficient and practical.
- Training: Keep team updated on new paradigms and help individual to improve, thus improving team functionality.
- This year focus on three things: Improved Responsiveness, Improved Quality & Improved Bench Strength.

### **4thpass**°

