

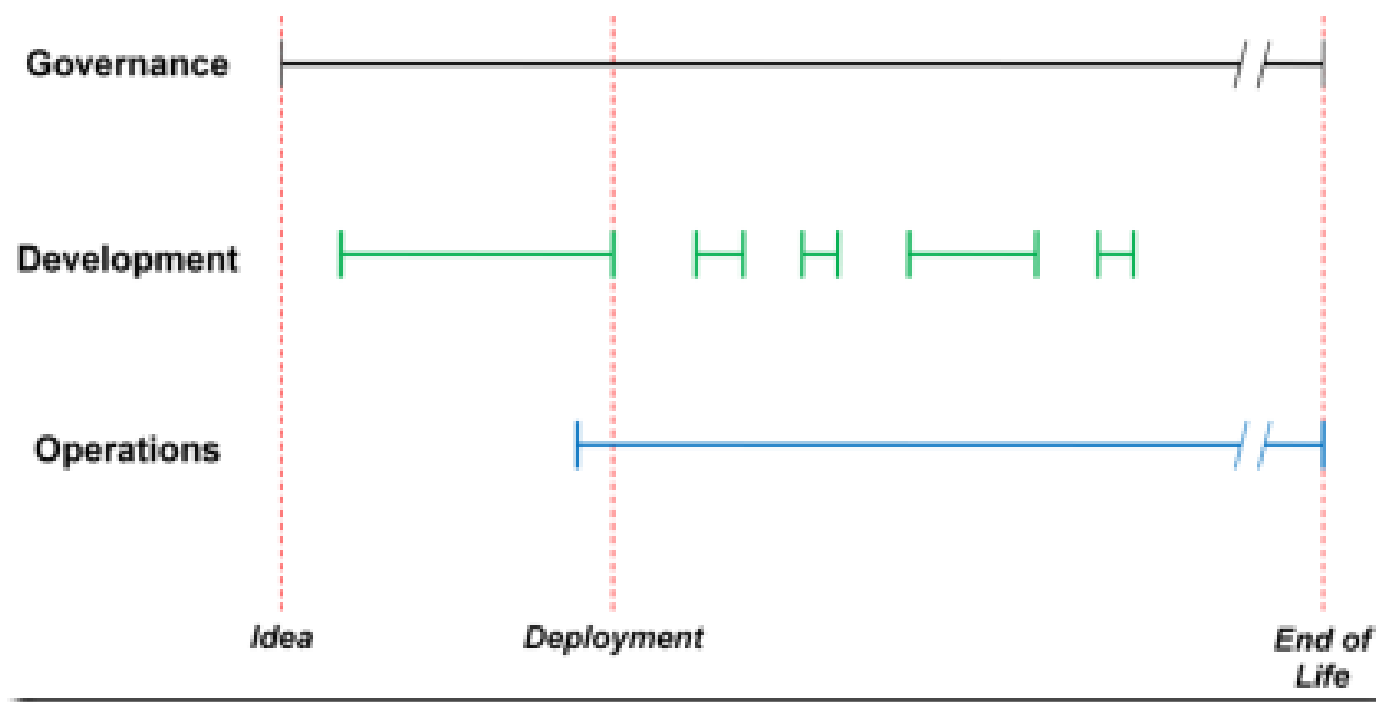
ALM (Application Lifecycle Management)

Es un proceso continuo de la gestión de la vida de una aplicación a través de la gobernanza, desarrollo y mantenimiento. ALM es el enlace de la gestión empresarial con la ingeniería de software que brinda las herramientas que facilitan e integran la gestión de requerimientos, la arquitectura, codificación, pruebas, seguimiento y versiones

Gobernanza: asegurarse que la aplicación siempre provea lo que el negocio necesite.

Desarrollo: la parte fundamental de ALM. Es la construcción del producto a generar, que ocurre periódicamente en varias fases o iteraciones.

Operaciones: el planeamiento, ejecución del despliegue y monitoreo de la aplicación.



Track +

Software de tipo ALM que permite gestionar tanto proyectos tradicionales como Scrum de inicio a fin.

Eslogan

“Usted gestiona proyectos y equipos. Nosotros tenemos herramientas ingeniosas para usted”

Pagina Web

<https://www.trackplus.com/en/alm-software.html>

Requerimientos del sistema

Object	Requirement
Computer	PC, virtual server, workstation, Mac
Main memory	min. 1 GByte
Disc space	min. 1 GByte available
Java Virtual Machine	Java SDK or JRE version 1.7.x or up
SMTP E-Mail Server	any standard SMTP server (GMX, Hotmail, ...)
Browser	Internet Explorer 9 or up
	Firefox 22 or up
	Safari 6 or up
	Chrome or up
Database System	Internet Explorer 8 with reduced performance
	MySQL 5.x
	Firebird 2.x
	Oracle 11g
	MS SQL Server 2000, 2005, 2008, 2012
	PostgreSQL 8.x
Application Server	IBM DB2 9.x
	Oracle WebLogic 11
	JBoss 7
	Jetty 8 and 9
	Apache Tomcat 7.0 and up
	Websphere Application Server

Operating System	Remarks
Windows Server 2003, 2008, 2012	
Windows 7, Windows 8	
Linux 2.4 (Ubuntu, Debian, SuSE, RedHat)	
MacOS X	

Modos de configuración

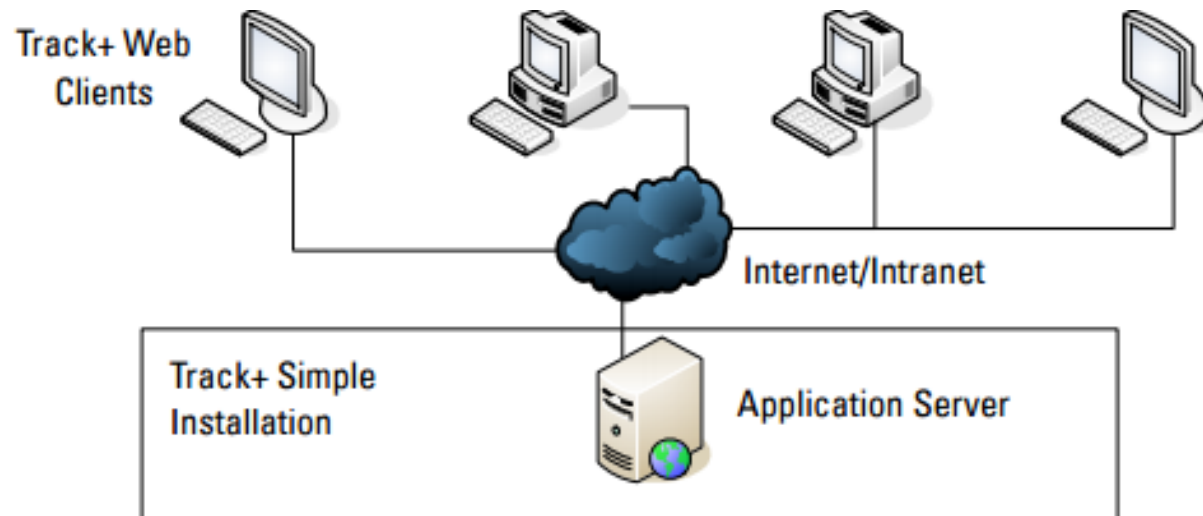


Figure 1.4: Track+ ALM simple configuration

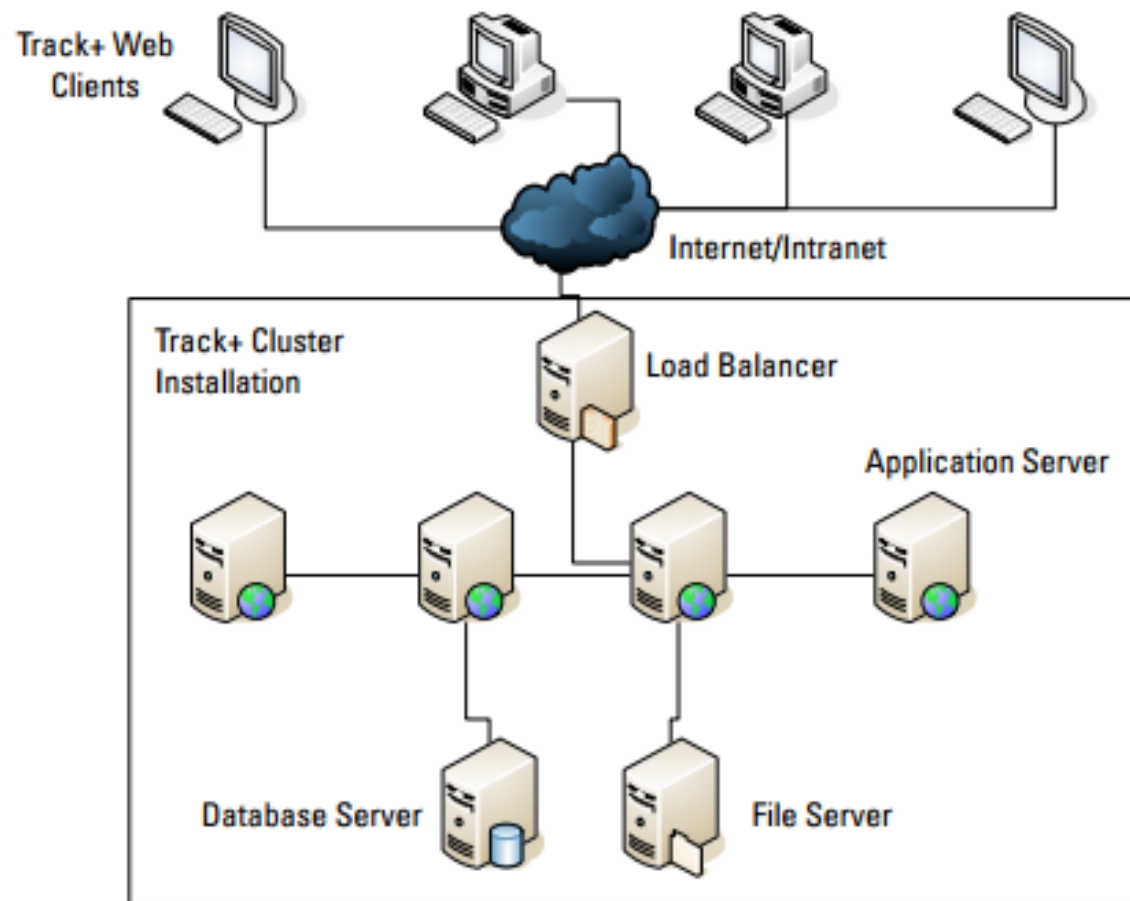


Figure 1.5: Track+ ALM cluster configuration

Funciones

- Control a nivel de Administrador
- Control y seguimiento de defectos
- Seguimiento de casos de prueba (tests)
- Gestion del proyecto
- Control de Versiones
- Revisión de Requerimientos
- Gestion de Tareas
- Gestión a nivel de Usuario

Ventajas

- Facilidad para el trabajo en equipo
- Facil de instalar, de adaptar y de usar
- Aplicable a lo largo de todo el ciclo de vida del producto
- Soporta Scrum, Kanban y metodologías tradicionales
- Ofrece vistas personalizadas para controlar los permisos de usuario, con una granularidad muy fina
- Gran capacidad de filtración y búsqueda
- Vinculación de documentos tipo Wiki
- Reportes en PDF
- Integración a elección con Git, SVN, ViewVC, Sonarqube y Jenkins
- Generación de gráficos

FILTERS		<div> <div>In-basket</div> <div>Total number of items found: 9 Filtered: 9</div> <div> <div>Filter</div> <div>Actions</div> <div>Flat list</div> <div>Settings</div> </div> </div>						
WORKSPACES	<input type="checkbox"/>	Item No.	Workspace	Title	Status	Responsible	Last modified	Item type
FILTERS	<input type="checkbox"/>	TM--23	Task Management	Test Task Management	opened	Mechanical Enginee...	04/21/2016 9:2...	Task
STATUS	<input type="checkbox"/>	TM--101	Task Management	Auftrag Kugel, TF 60	processing	Mechanical Enginee...	09/22/2015 11:...	Task
PERSONAL BASKET	<input type="checkbox"/>	TM--102	Task Management	Demontage	processing	Mechanical Enginee...	09/07/2016 11:...	Task
In-basket	<input type="checkbox"/>	TM--103	Task Management	M-Design	opened	Mechanical Enginee...	09/07/2016 11:...	Action Item
Planned items	<input type="checkbox"/>	TM--104	Task Management	Purchasing	opened	Mechanical Enginee...	09/07/2016 11:...	Action Item
Next actions	<input type="checkbox"/>	TM--105	Task Management	Aufgabenliste aktualisieren	processing	Mechanical Enginee...	09/07/2016 11:...	Task
Reminder	<input type="checkbox"/>	pj02-10	project xy	testjob 1a	processing	System Engineering	09/07/2016 11:...	Task
Delegated	<input type="checkbox"/>	pj02-11	project xy		assigned	System Engineering	04/07/2016 17:...	Task
Trash	<input type="checkbox"/>	pj02-12	project xy	test	opened	Software Developm...	09/07/2016 11:...	Task
Incubator								
Reference								

Cockpit

Workspace cockpit

Item navigator

Reports

Create item

System Manager | Help | Log off

Search

track+

FILTERS

opened

Total number of items found: 105 Filtered: 105

Filter

Actions

Flat list

Settings

WORKSPACES

FILTERS

STATUS

opened

analyzed

assigned

processing

implemented

integrated

assessing

closed

suspended

unverified

verified

approved

faulty

Item No.	Workspace	Title	Status	Responsible	Last modified	Item ty
<input type="checkbox"/> SWD--125	Software Development	Entering flight data by start and destination test	opened	ams, 02	09/10/2016 14:...	Test
<input type="checkbox"/> SWD--126	Software Development	Enter data by CMD++ or WIN++	opened	Köhler, Lukas	05/23/2015 20:...	Test
<input type="checkbox"/> SWD--127	Software Development	Issue with eligible flights test	opened	Kfive, Giovanni	12/16/2015 0:2...	Task
<input type="checkbox"/> TM--23	Task Management	Test Task Management	opened	Mechanical Enginee...	04/21/2016 9:2...	Task
<input type="checkbox"/> SWD--128	Software Development	Der 2.Test	opened	Köhler, Lukas	08/14/2015 12:...	Task
<input type="checkbox"/> SD--1	System Development	eartgaer	opened	Administrator, Track...	06/13/2015 19:...	Task
<input type="checkbox"/> HED-90	HElikopter 2015	SW: Calculate Height with IR	opened	Brodbeck, Martin *	07/20/2015 20:...	Task
<input type="checkbox"/> HED-91	HElikopter 2015	Implement Matrix-Lib	opened	Breuning, Oliver *	04/18/2016 12:...	Task
<input type="checkbox"/> HED-92	HElikopter 2015	SW: create simulation model for autonomous fli...	opened	Brodbeck, Martin *	11/03/2015 12:...	Task
<input type="checkbox"/> HED-95	HElikopter 2015	t5ruwzrte	opened	Schmidt, Jürgen *	08/31/2016 11:...	Task
<input type="checkbox"/> HED-96	HElikopter 2015	User manual on setting up development enviro...	opened	Kfive, Giovanni	09/01/2016 11:...	Task
<input type="checkbox"/> HED-97	HElikopter 2015	Integration Concept (existing Control-SW in new ...	opened	Schmidt, Jürgen *	07/20/2015 20:...	Task
<input type="checkbox"/> HED-100	HElikopter 2015	Implementation of HAL drivers	opened	Breuning, Oliver *	07/20/2015 20:...	Task
<input type="checkbox"/> HED-101	HElikopter 2015	Testing of HAL drivers	opened	ams, 02	07/20/2015 20:...	Task

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Cockpit

Workspace cockpit

Item navigator

Reports

Create item

System Manager

Help

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track+

FILTERS

Scrum Test

Total number of items found: 3

Filtered: 3

Filter

Actions

Flat list

Settings

WORKSPACES

HElikopter 2015

Project Management-vij

Project Management-vij

Scrum Issue Tracking

Scrum Test

System Development

Task Management

FILTERS

STATUS

PERSONAL BASKET

Item No.	Workspace	Title	Status	Responsible
<input type="checkbox"/> ST--10	Scrum Test	test	opened	Client, Mary
<input type="checkbox"/> ST--11	Scrum Test	test	opened	ams, 02
<input type="checkbox"/> ST--12	Scrum Test	999999 - Test	opened	Client, Mary

Edit selection

Copy selection

Link items

Reports

Import

Export

Print PDF

Import from Excel

Import from MS Project

Import data from an MS Project document and thereby create or modify items in Track+.

Cockpit
 Workspace cockpit
 Item navigator
 Reports
 Create item

System Manager
 Help
 Log off

Search
 track+

FILTERS

 I'm the author
 Total number of items found: 15 Filtered: 15
 Filter
 Actions
 Flat list
 Settings

	<input type="checkbox"/> Item No.	Workspace	Title	Status	Responsible	Last modified
WORKSPACES	<input type="checkbox"/> ST--10	Scrum Test	test	opened	Client, Mary	09/11/2016 2
FILTERS	<input type="checkbox"/> pj02-14	project xy	Martin klärt das Zusammenarbeitsmodell mit HorstMeierGmbHundCoKG	opened	Administrator, Track...	09/15/2016 1
Added recently	<input type="checkbox"/> pj02-15	project xy	Andreas klärt die Installation von Track+, damit das klappert ;-)	opened	Administrator, Track...	09/15/2016 1
All items	<input type="checkbox"/> pj02-18	project xy	TOP 1 Thema doch nicht egalHier steht nun die spezielle Aufgabe ;-)	opened	Administrator, Track...	09/15/2016 1
Closed recently	<input type="checkbox"/> pj02-21	project xy	Endlich eine Besprechung	opened	Administrator, Track...	09/15/2016 1
I'm responsible	<input type="checkbox"/> pj02-23	project xy	test	opened	Administrator, Track...	09/16/2016 1
I'm the author	<input type="checkbox"/> pj02-24	project xy	Test 1	processing	Administrator, Track...	09/19/2016 1
I'm the manager	<input type="checkbox"/> HED-193	HElikopter ...	Testeintrag	opened	Administrator, Track...	09/27/2016 1
Meetings	<input type="checkbox"/> C-pmpv-1	Project Ma...	adasdsad	opened	Administrator, Track...	09/29/2016 1
My items	<input type="checkbox"/> C-pmpv-2	Project Ma...	ABC	assigned	Administrator, Track...	10/03/2016 2
Outstanding	<input type="checkbox"/> ST--11	Scrum Test	test	opened	ams, 02	10/10/2016 1
Unscheduled	<input type="checkbox"/> ST--12	Scrum Test	999999 - Test	opened	Client, Mary	10/11/2016 1
Updated recently	<input type="checkbox"/> HED-194	HElikopter ...	Rotorproblem	opened	Chief, Cäsario	10/18/2016 1
STATUS	<input type="checkbox"/> HED-196	HElikopter ...	Runtime down after update	opened	Chief, Cäsario	10/21/2016 1
PERSONAL BASKET						

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Cockpit

Workspace cockpit

Item navigator

Reports

Create item

Task

Meeting

Problem Report

Action Item

Requirement

Test case

User Story

System Manager

Help

Log off

Search

track+

Add folder

Add report

Edit

Create report

Download

PRIVATE

WORKSPACE

PUBLIC

Besprechungsagenda

Besprechungsprotokoll

Detailed expense report

Detailed expense with person, p

Detailed expense with subproj

Diagramm mit Anzahl Vorgänge

Earned value chart

Filtered history

Grouped expense by person, pr

Grouped expense by project, co

Opened vs. closed chart

Scrum-Zettel für das Agile Board

Reports are based on report templates. Here you can manage specific reports, etc.

Besprechungsagenda/pdf

Besprechungsprotokoll/pdf

Detailed expense report/xls

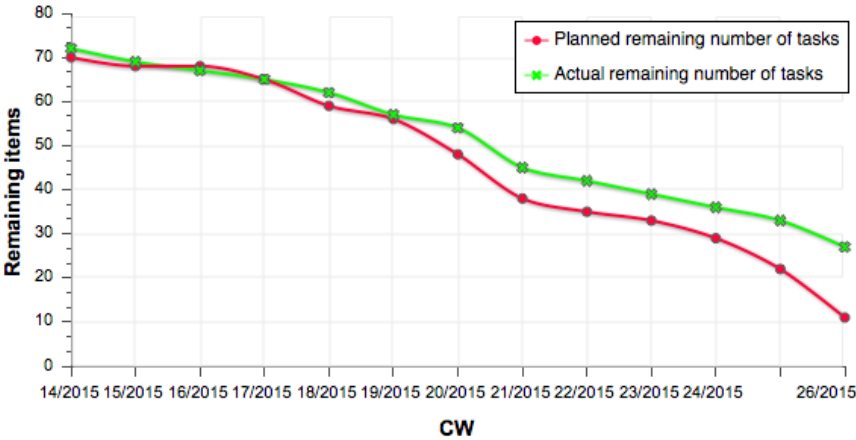
Items in status during reporting period

<https://www.trackplus.com/track-demo//perspective.action#>

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common.lbl.main=Main

BurnDownChart



Layout properties

Name ↑	Value
Description	Beschreibung
Label	common.lbl.main=Main
Name	common.lbl.main=Main

Cockpit tiles

Name ↑	Description
Activity stream	This shows the last act...
Average Time To C...	Scrum Average Time T...
Budget summary	Gives you an overview...
Burn-Down Chart	Scrum Burn-Down-Ch...

Bibliografía

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HP. (s.f.). <http://www8.hp.com/ar/es/software-solutions/alm-software-development-testing/index.html>.

Schwaber, C. (Agosto de 2006). Obtenido de http://i.bnet.com/logos/whitepapers/Serena_Life_Cycle_Management.pdf

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