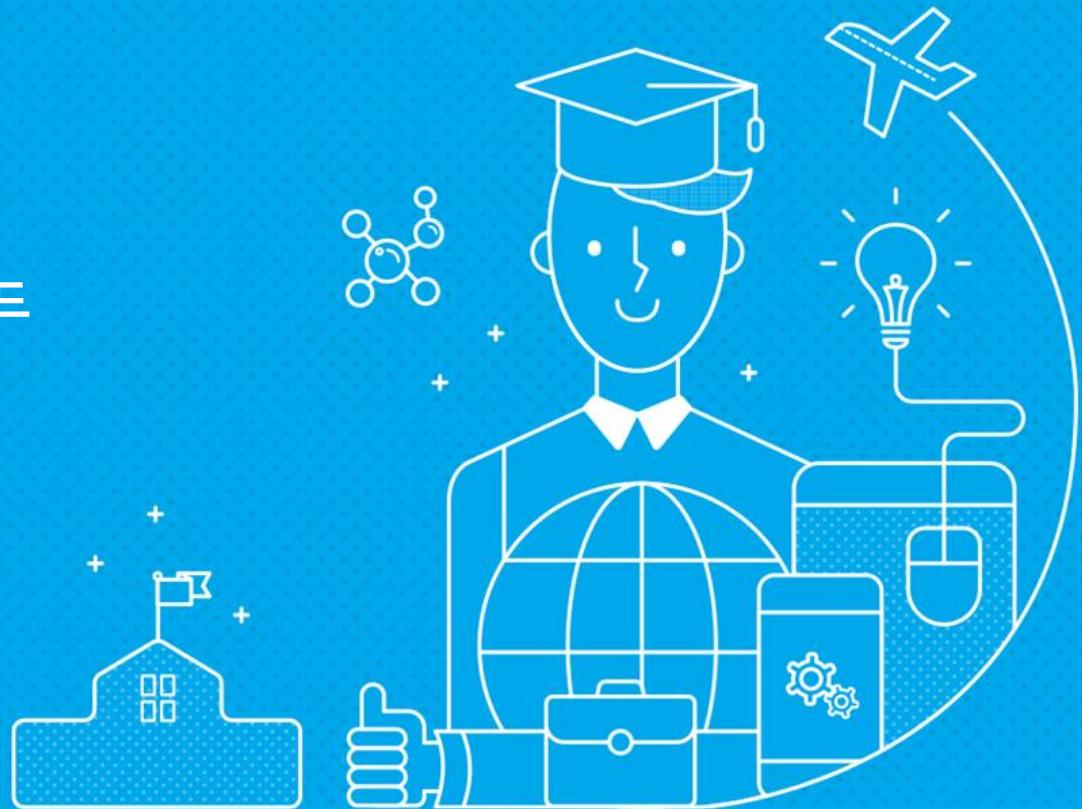


# 삼성 청년 SW 아카데미

대한민국 SW의 미래

— JIRA Software 사용자 가이드

2019. 06.



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Samsung Software Academy For Youth



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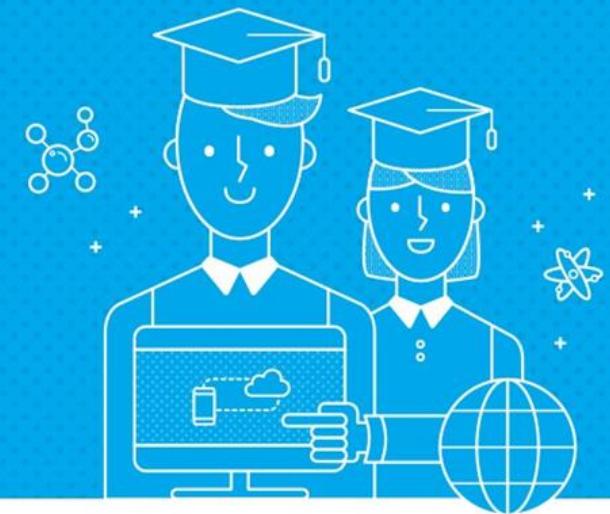
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# 1. JIRA Software 개요



# 1. JIRA Software 개요

## ✓ JIRA Software

- 소프트웨어 프로젝트의 추적, 관리, 보고를 위한 애자일 개발 솔루션

**Team Kanban Board**

QUICK FILTERS: Critical partners Only my partners Recently updated

1 To do	4 In progress
<span style="color: green;">+ TIS-28</span> <span style="color: red;">↑ Research options to travel to Pluto</span>	<span style="color: green;">+ TIS-25</span> <span style="color: red;">↑ Engage Jupiter Express for outer solar system</span>  <span style="color: green;">+ TIS-21</span> <span style="color: red;">↑ Add Phobos and Deimos Tours as a PTP</span>  <span style="color: green;">+ TIS-20</span> <span style="color: red;">↑ Engage Saturn Shuttle Lines for group tours</span>  <span style="color: green;">+ TIS-24</span> <span style="color: red;">↑ Sign Contract for Sun Tours</span>

**TIS-70: 5 deployments**

Teams in Space Deployments  
Commits were in release release-2

Environment	Status	Latest release	Last deployed
QA	DEPLOYED	release-2	03/Feb/16 3:40 PM
Staging	DEPLOYED	release-2	03/Feb/16 3:40 PM
Production	NOT DEPLOYED		

Environment	Status	Latest release	Last deployed
Production	NOT DEPLOYED	1.3.2	16/Sep/15 1:27 AM
QA	FAILED	1.3.14	19/Sep/15 12:01AM

# 1. JIRA Software 개요

## ✓ JIRA Software 활용

**제품매니저**  
프로젝트, 스프린트 및 대형 릴리즈를 위한  
타임라인 관리

**개발 매니저**  
범위(Scope), 타임라인 및 제시간  
릴리즈를 위한 리소스 관리

**개발자**  
이슈 생성 및 운용 프로젝트와  
관련된 모든 업무 요소들의 추적

The image displays three screenshots of the JIRA software interface:

- Top Screenshot (Product Management):** Shows the JIRA dashboard for 'Teams in Space / TIS Platform Release'. It includes a summary bar with metrics: 15 Warnings, 82 Issues in version, 20 Issues done, 3 Issues in progress, and 59 Issues to do. Below the bar, a note states: "Warnings indicate when the status of a JIRA issue doesn't reflect related development activity. For example: an issue marked complete that has an open pull request should be marked as still being in progress." A 'Manage Warnings' button is also present.
- Middle Screenshot (Development Management):** Shows the 'Create issue' screen for 'Teams in Space / TIS-70'. The issue details are: Type: Task, Priority: Major, Affects Version/s: 2.0, Component/s: Remote APIs, Labels: customer. The status is CLOSED (View Workflow). The description notes: "To better help partners send problem reports to Teams in Space we need a string anonymizer to randomize their". The right side of the screen shows the 'People' section with assignee Max Taylor and reporter Mitch Davis, and the 'Dates' section showing creation and update dates.
- Bottom Screenshot (Development):** Shows the JIRA board for 'Scrum: Teams in Space'. The board has columns: 4 To Do, 4 In Progress, 1 Code Review, and 4 Done. Under '4 To Do', there is a section for 'TIS Developer Love' containing 4 issues: TIS-46, TIS-40, TIS-8, and TIS-60. Other sections include 'Everything Else' (9 issues) and 'UI' (4 issues). The right side of the board shows the 'People' section with reporter Jennifer Evans and the 'Development' section showing branches, commits, and builds.

# 1. JIRA Software 개요

## ✓ Dashboard

- 시스템 개인 별 dashboard 를 제공하며 , 다양한 가젯 (Gadget) 기반으로 프로젝트의 상태를 한 눈에 파악 가능

The image shows the JIRA Main Dashboard with several widgets:

- Pie Chart: atlassian support**: A pie chart showing project status: Done (56%), Resolved (24%), In Progress (29%), and Submitted (24%).
- Created vs. Resolved Chart: All Issue**: A line chart showing the number of issues created versus resolved over time from Feb 2, 2017, to Mar 2, 2017. A significant spike in created issues is visible around Feb 16.
- Issues in the last 30 days (grouped daily)**: A list of 19 created issues and 2 resolved issues.
- Assigned to Me**: A list of 5 user stories assigned to the user.

On the right, a modal window titled "Add a gadget" is open, showing a list of available gadgets:

- Activity Stream**: Lists recent activity in a single project or all projects. (Add gadget)
- Agile Wallboard Gadget**: Displays a board as a Wallboard gadget. (Add gadget)
- Assigned to Me**: Displays all unresolved issues assigned to me. (Add gadget)
- Average Age Chart**: Displays the average number of days issues have been unresolved. (Add gadget)
- Bubble Chart**: Bubble Charts help you identify popular and significant issues by displaying data in four dimensions. (Add gadget)

# 1. JIRA Software 개요

## ✓ Issue Type

- 사용자가 원하는 Issue Type 을 선택하거나 환경에 적합한 이슈 항목을 자유롭게 생성하고 프로젝트에 할당하여 사용 가능

Issue type schemes		
Name	Options	Projects
<b>Default Issue Type Scheme</b> Default issue type scheme is the list of global issue types. All newly created issue types will automatically be added to this scheme.	<input checked="" type="checkbox"/> Epic <input checked="" type="checkbox"/> Story <input checked="" type="checkbox"/> Sub-task 2 <input type="checkbox"/> 사용자지원	Global (all unconfigured projects)
<b>SSP: Scrum Issue Type Scheme</b>	<input checked="" type="checkbox"/> Task <input checked="" type="checkbox"/> Sub-task <input checked="" type="checkbox"/> Story (Default) <input checked="" type="checkbox"/> Bug <input checked="" type="checkbox"/> Epic	• Scrum Sample Project
<b>KSP: Kanban Issue Type Scheme</b>	<input checked="" type="checkbox"/> 사용자지원 (Default) <input checked="" type="checkbox"/> Task <input checked="" type="checkbox"/> Sub-task <input checked="" type="checkbox"/> Story <input checked="" type="checkbox"/> Bug <input checked="" type="checkbox"/> Epic	• Kanban Sample Project
<b>PMC: Project Management Issue Type Scheme</b>	<input checked="" type="checkbox"/> Task (Default) <input checked="" type="checkbox"/> Sub-task <input checked="" type="checkbox"/> Bug	• Project Management (Core)

Add Issue Type

Name *	<input type="text" value="사용자지원"/>
Description	<input type="text" value="A user support for IT and Infrastructure"/>
Type	<input checked="" type="radio"/> Standard Issue Type <input type="radio"/> Sub-Task Issue Type
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	

# 1. JIRA Software 개요

## Comments

- 이슈의 comments 기능을 통해 원활한 의사소통을 지원
- Restricting Comment 기능을 활용해 내부의 특정 인원들간의 비공개 의사소통이 가능

**Activity**

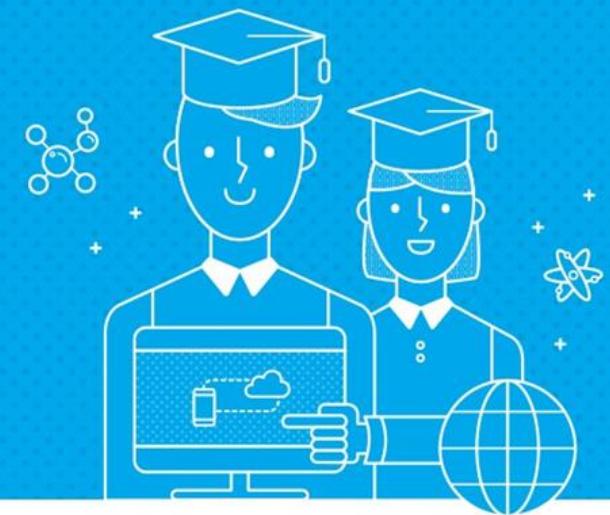
- All Comments Work Log History Activity Transitions
- ▼ 사용자1 added a comment - 13 minutes ago  
사내 WiFi 연결 실패로 인해 업무 작업이 지연되고 있습니다. 빠른 처리 바랍니다. 😊
- ▼ admin added a comment - 11 minutes ago  
담당자(리더1) 배정 완료하였습니다. 처리 후 결과 통보해 드리겠습니다.
- ▼ admin added a comment - 10 minutes ago - Restricted to Developers  
리더1 빠른 처리 바랍니다. 그리고 네트워크 현황 보고서를 그룹장에 제출하시기 바랍니다.
- ▼ 리더1 added a comment - 5 minutes ago - Restricted to Developers  
개발자1 사내 무선 네트워크 장애가 발생하고 있습니다. 확인 후 빠른 조치해주세요.
- ▼ 개발자1 added a comment - 4 minutes ago - Restricted to Developers  
리더1 네트워크 장애 조치 완료하였습니다.
- ▼ 리더1 added a comment - 1 minute ago  
사내 무선 네트워크 장애 발생으로 인해 업무에 불편함을 드렸습니다. 현재 \*조치 완료\*하였습니다. 감사합니다.
- ▼ 사용자1 added a comment - Just now  
리더1 빠른 처리 감사합니다. 🙌

**Activity**

- All Comments Work Log History Activity Transitions
- ▼ 사용자1 added a comment - 12 minutes ago  
사내 WiFi 연결 실패로 인해 업무 작업이 지연되고 있습니다. 빠른 처리 바랍니다. 😊
- ▼ admin added a comment - 11 minutes ago  
담당자(리더1) 배정 완료하였습니다. 처리 후 결과 통보해 드리겠습니다.
- ▼ 리더1 added a comment - Just now  
사내 무선 네트워크 장애 발생으로 인해 업무에 불편함을 드렸습니다. 현재 \*조치 완료\*하였습니다. 감사합니다.
- ▼ 사용자1 added a comment - Just now  
리더1 빠른 처리 감사합니다. 🙌

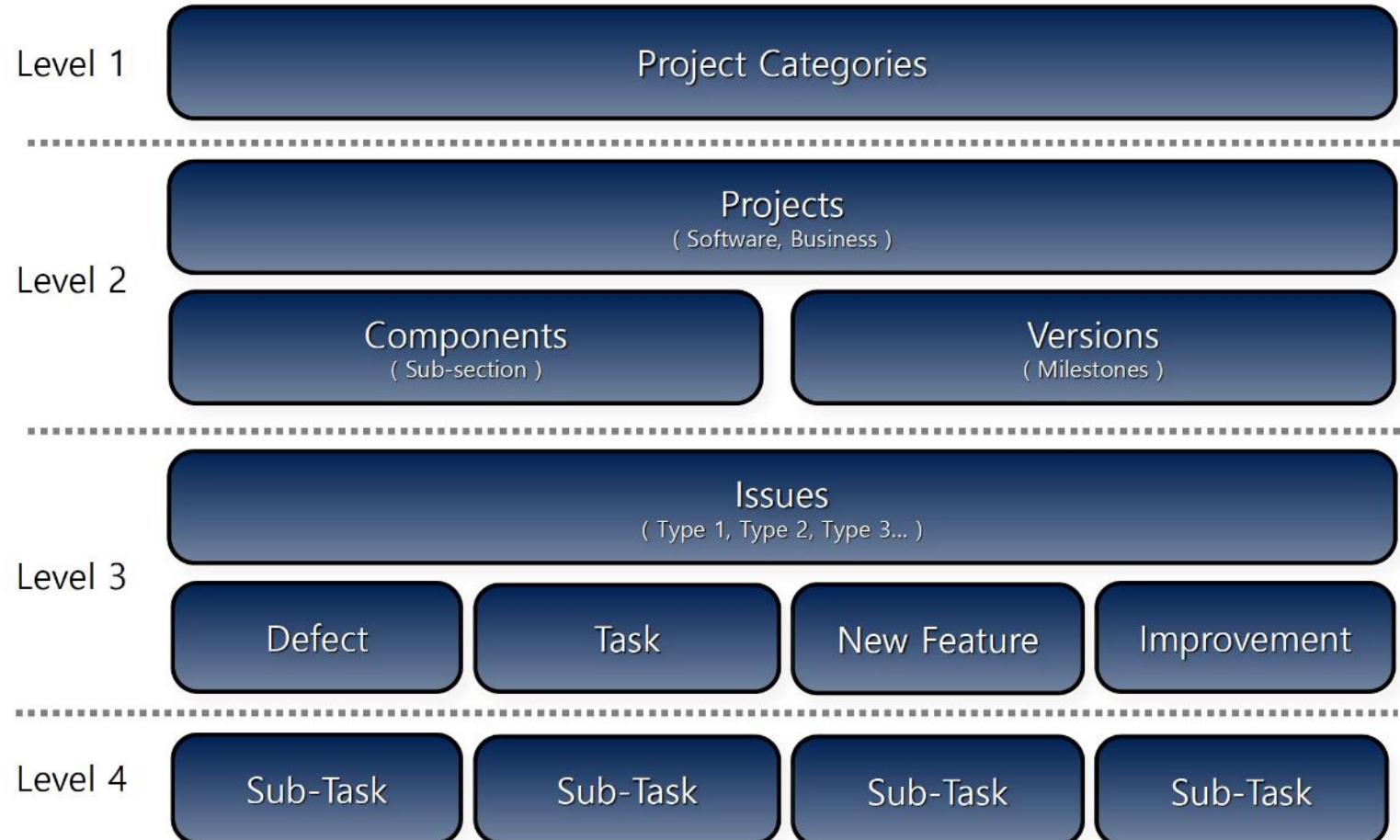


## 2. JIRA Structure



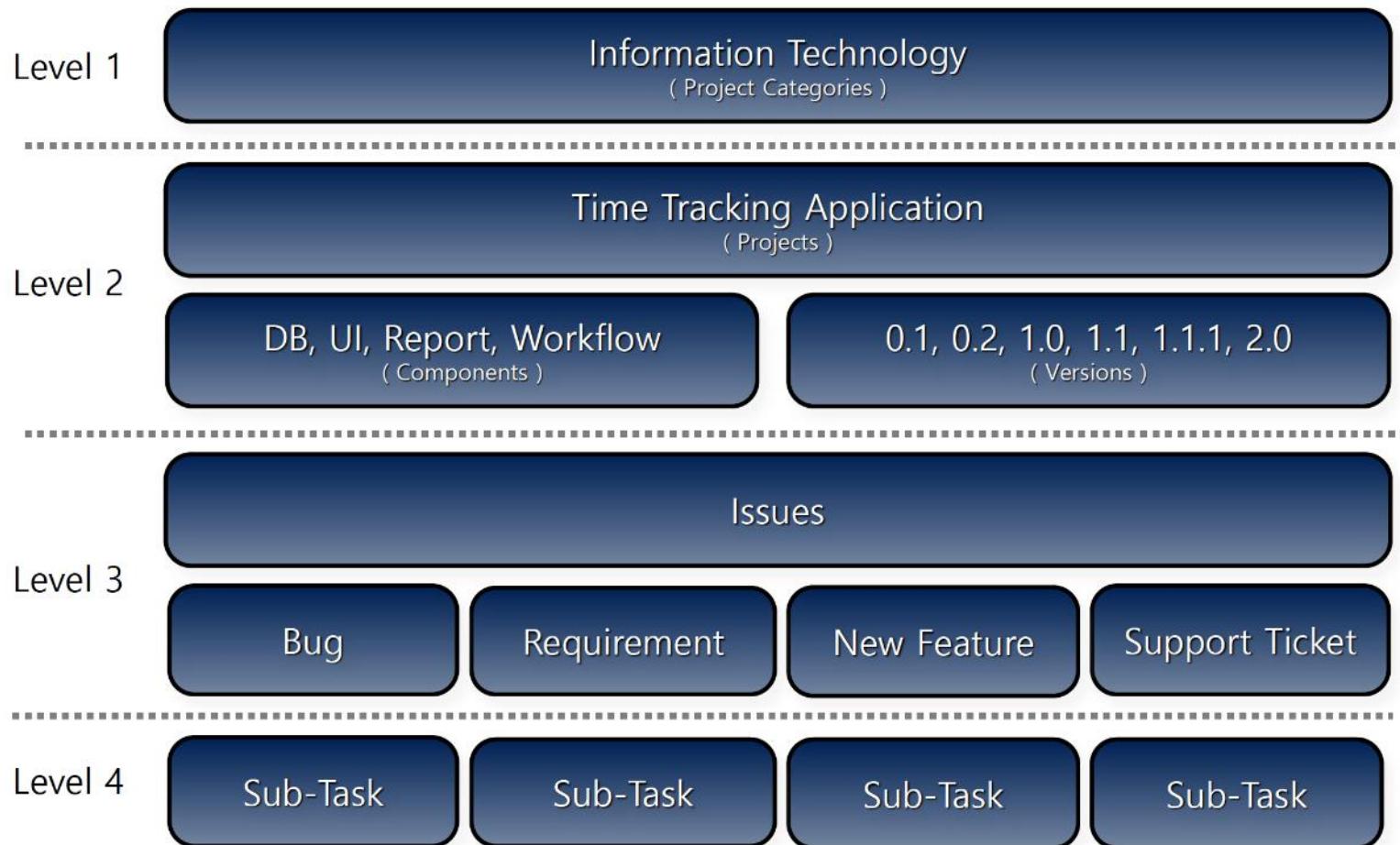
## 2. JIRA Structure

### ✓ JIRA 계층구조



## 2. JIRA Structure

### ✓ Software Development Project (Example)



## 2. JIRA Structure

### ✓ JIRA 용어

#### **Project**

> Issue를 관리하는 최상위 카테고리

#### **Project Leader**

> 프로젝트를 관리하는 사용자

#### **Dashboard**

> 가젯을 사용하여 프로젝트 진행 상황을 모니터링하는 보고서화면

#### **Issue**

> 프로젝트에서 발생하는 장애, 새로운 기능, 개선 사항 등 다양한 형태의 작업들

#### **Status**

> Issue의 업무흐름 상태를 표시하는 기능

#### **Transition**

> Workflow 진행 경로에서 다음 상태로의 전환을 수행하는 기능

## 2. JIRA Structure

### ✓ JIRA 용어

#### **Resolution**

> Issue 종료 시상태 구별 가능

#### **Filter**

> 생성된 Issue를 조건에 맞게 검색하는 기능

#### **Reporter**

> Issue를 생성한 사용자

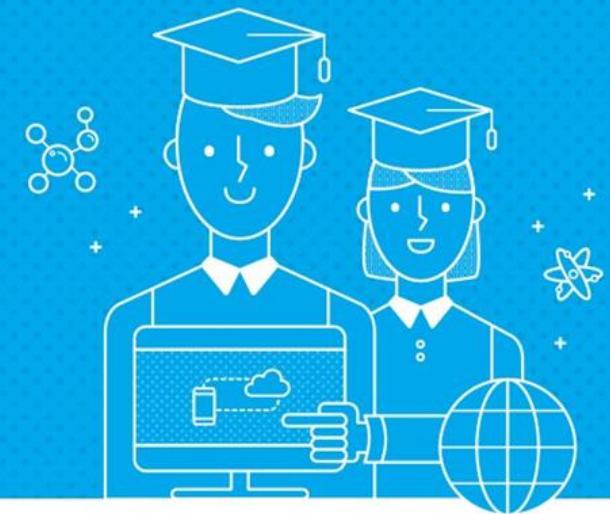
#### **Assignee**

> Issue를 처리할 담당자

#### **Watcher**

> Issue를 참조하는 사용자

# 3. User Interface



# 3. User Interface

## ✓ JIRA User Interface User Profile

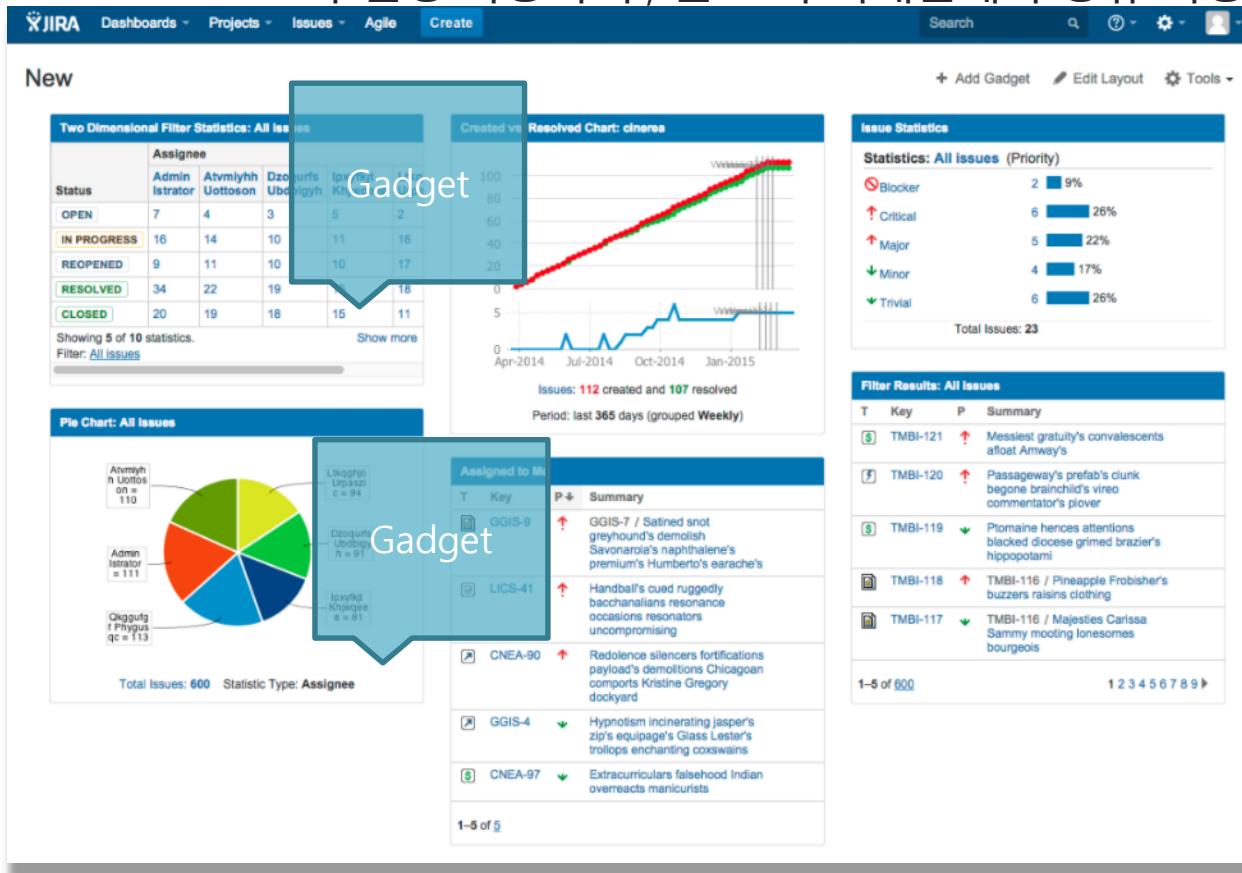
- Avatar, Custom Configuration 설정 가능

The screenshot illustrates the JIRA User Interface for managing user profiles. On the left, the main navigation bar includes links for Profile, Atlassian Marketplace, MY JIRA HOME (Dashboard, Boards, Issue Navigator), and Log Out. A large red arrow points from the 'Profile' link to the 'User Profile' page. This page shows a summary of the user 'admin', including their avatar (a placeholder 'GRAVATAR'), full name, email, password, and various preferences like page size, email type, and language. A second red box highlights the 'Avatar' section where users can 'Select a User Avatar' or upload a new one. Another red box highlights the 'Edit Profile' dialog box, which is overlaid on the main interface. This dialog allows users to change their full name, email, and password, with a note that password changes require confirmation. Below the profile page, the 'Activity Stream' shows recent events such as changes in reporter and report status. A third red box highlights the 'Edit User Preferences' dialog, which contains settings for page size, email type, language, time zone, and keyboard shortcuts.

# 3. User Interface

## ✓ JIRA User Interface Dashboard

- System Dashboard : Administrator 가 설정 가능하며 , 모든 사용자가 접속 시 Main 화면에 출력됨
- Personal Dashboard : User 가 설정 가능하며 , 필요 시 이해관계자 공유 가능



# 3. User Interface

## ✓ JIRA User Interface Issue list view

- View > Detail View / List View 선택

The screenshot shows the JIRA interface with two main views highlighted:

- Detail View**: Shows a detailed view of an issue (DEMO-11) with fields like Type (Story), Priority (Minor), Status (To Do), Resolution (Unresolved), Assignee (alm02), Reporter (admin), Description (Agile 프로젝트 - 소스류 게시판 글 검색 기능), and Activity tab.
- List View**: Shows a list of all project issues (1-13 of 13) with columns: Project, Key, Summary, Assignee, Reporter, Status, and Resolution.

Annotations on the left side of the Detail View area say "Issue key+ Summary|| Issue page". Annotations on the right side of the List View area say "Issue columns".

Project	Key	Summary	Assignee	Reporter	Status	Resolution
DEMO	DEMO-11	게시판 글 검색	alm02	admin	To Do	Unresolved
DEMO	DEMO-13	권한 차별 기능 필요합니다.	alm02	admin	To Do	Unresolved
DEMO	DEMO-12	로그인 실패 발생합니다.	alm01	admin	To Do	Unresolved
DEMO	DEMO-10	게시판 글 엮기	alm02	admin	To Do	Unresolved
DEMO	DEMO-7	로그인 원로 하면	alm01	admin	To Do	Unresolved
DEMO	DEMO-9	게시판 글 업데이트	alm01	admin	In Progress	Unresolved
DEMO	DEMO-8	게시판 글 쓰기	alm01	admin	In Progress	Unresolved
DEMO	DEMO-6	로그인 입력 하면	alm01	admin	In Progress	Unresolved
DEMO	DEMO-5	회원 등록	alm01	admin	In Progress	Unresolved
DEMO	DEMO-4	게시판 글 삭제	alm02	admin	To Do	Unresolved
DEMO	DEMO-3	게시판 글 엮기	alm02	admin	To Do	Unresolved
DEMO	DEMO-2	게시판 글 쓰기	alm01	admin	To Do	Unresolved
DEMO	DEMO-1	로그인	alm01	admin	To Do	Unresolved

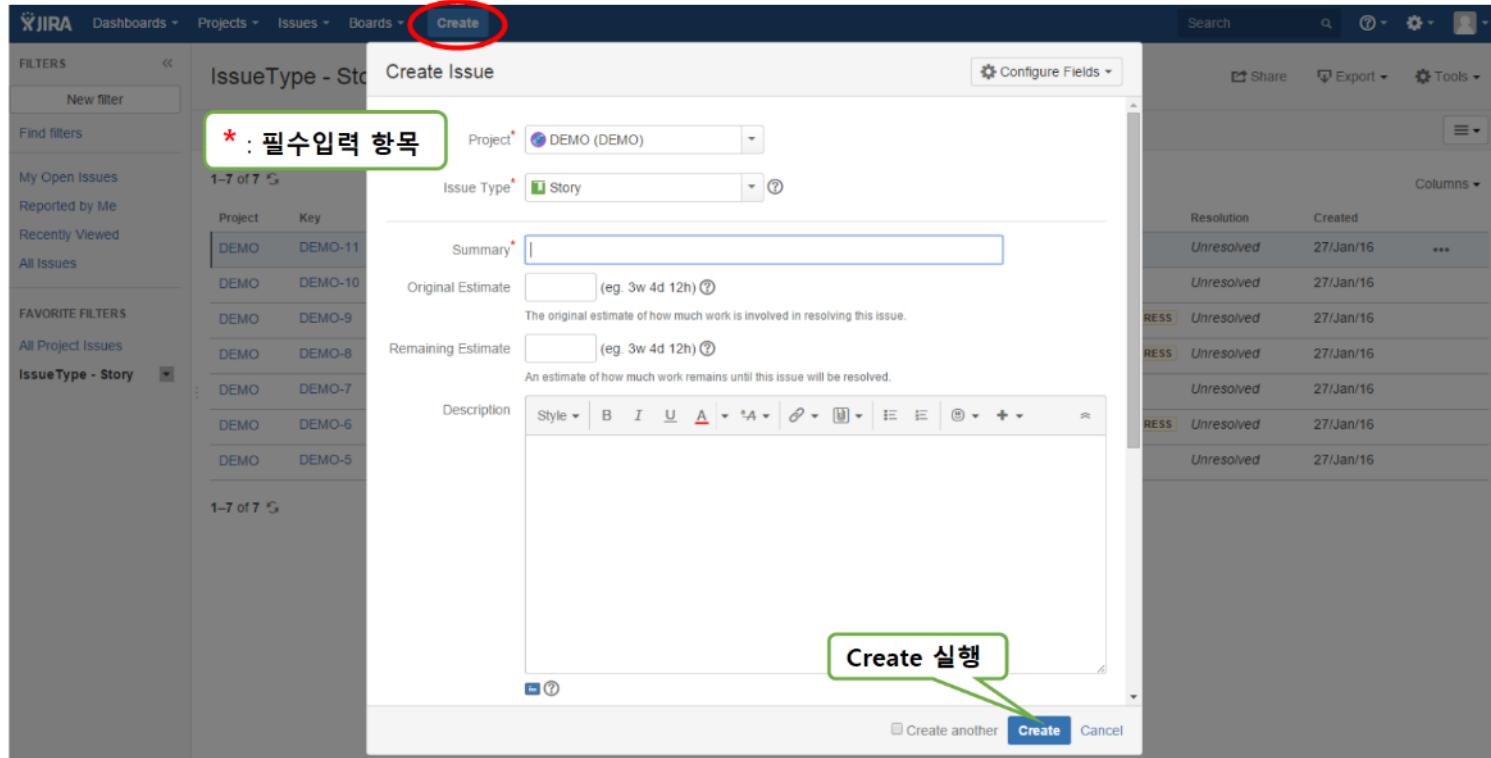
# 4. Working in Project



# 4. Working in Project

## ✓ JIRA Issue Create Standard

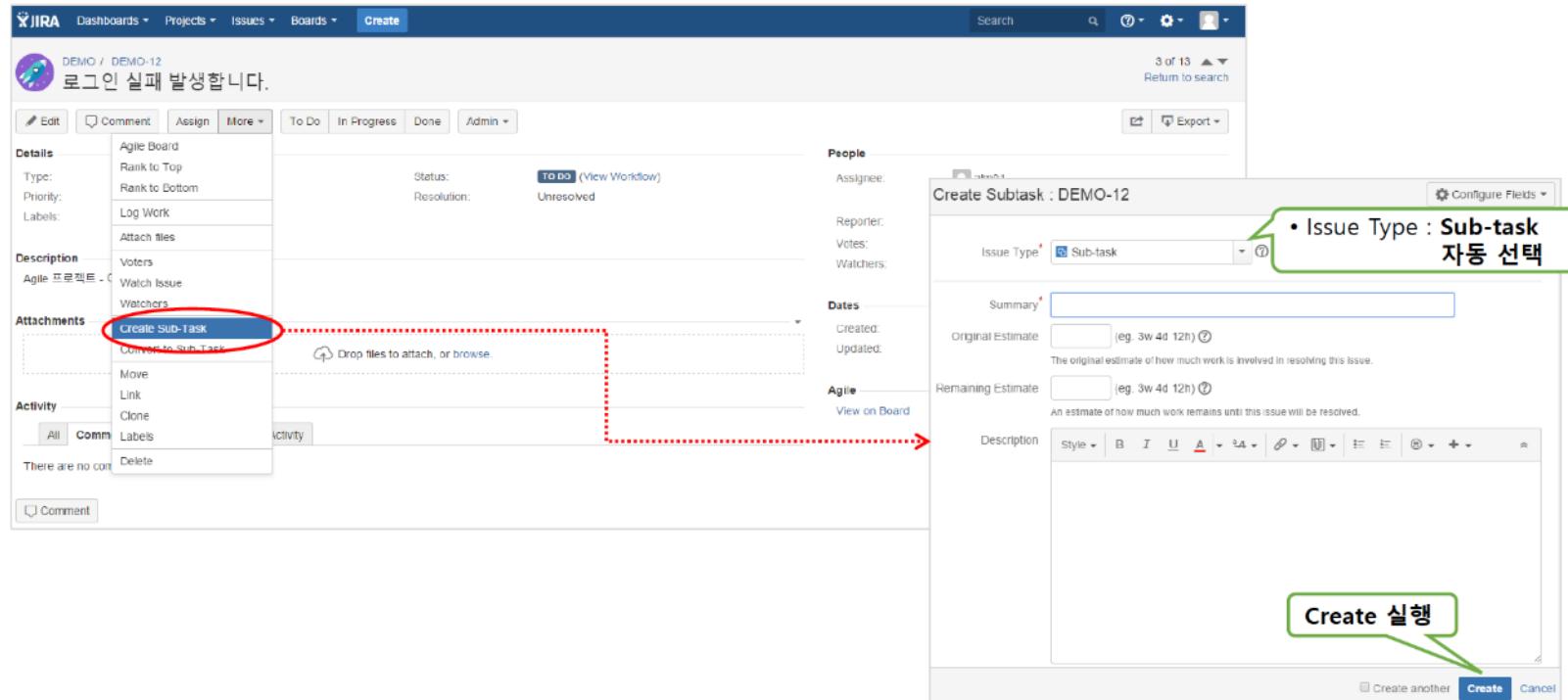
- Standard Issue Create : 상단 메뉴 Create 클릭 --> Create
- 상단 Create 버튼 클릭 또는 Short Key 인 " 실행하여 생성



# 4. Working in Project

## ✓ JIRA Issue Create Subtask

- Sub task Issue Create : Issue 선택 > More > Create Subtask
- Sub task 운용을 위해서는 JIRA Administrators 담당자 설정 필요



# 4. Working in Project

## ✓ Issue Edit Edit page

- Issue Editing : Issue 선택 > Edit

The screenshot shows the JIRA Issue Edit page for a project named 'DEMO / DEMO-5'. The top navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Boards', 'Create', 'Search', and other settings. A green callout box labeled '이슈동작 메뉴' points to the 'Admin' dropdown menu in the top right.

The page is divided into several sections:

- Details 섹션**: Contains fields for Type (Story), Priority (Minor), and Labels (None). It also shows the Status as 'TO DO (View Workflow)' and 'Unresolved'.
- Description 섹션**: Contains a description of the issue: 'Agile 프로젝트 - 소분류: 로그인 가능'.
- Attachments**: A section for attaching files, with a placeholder message: 'Drop files to attach, or browse.'
- Activity 섹션**: A section for activity logs, showing tabs for 'All', 'Comments', 'Work Log', 'History', and 'Activity'. It displays the message: 'There are no comments yet on this issue.'
- Comment 섹션**: A section for comments, with a 'Comment' button.
- People 섹션**: Shows assignee (admin), reporter (admin), votes (0), and watchers (0). It includes a link to 'Start watching this issue'.
- Dates 섹션**: Shows creation and update dates: 'Created: 27/Jan/16 3:59 PM' and 'Updated: Just now'.
- Time Tracking 섹션**: Shows estimated, remaining, and logged time bars. Estimated: 2d, Remaining: 2d, Logged: 1h.
- Agile Board 섹션**: A section for Agile boards, with a 'View on Board' button.

# 4. Working in Project

## ✓ JIRA Issue Edit Active button

- Issue Editing : Issue 선택 > Edit

The screenshot shows the JIRA issue edit screen for project 'DEMO' (issue ID 'DEMO-12'). Key elements include:

- Project 이름** (Project Name) and **이슈 고유 ID** (Issue Unique ID) are labeled above the issue key.
- Edit**, **Comment**, **Assign**, and **More** buttons are in the top navigation bar.
- To Do**, **In Progress**, and **Done** buttons are part of the workflow transition menu.
- A dropdown menu on the right contains options like Agile Board, Rank to Top, Log Work, Attach files, Voters, Watch Issue, Watchers, Create Sub-Task, Move, Link, Clone, Labels, and Delete.
- Annotations with arrows point to specific features:
  - 이슈 수정 메뉴** (Issue Modification Menu) points to the 'Edit' button.
  - 이슈를 처리할 담당자 지정** (Assignee for issue handling) points to the 'Assign' button.
  - 추가 기능들** (Additional functions) points to the 'More' button.
  - 이슈에 대한 코멘트 (의견) 작성** (Comment (opinion) creation) points to the 'Comment' button.



# 4. Working in Project

## ✓ View Workflow

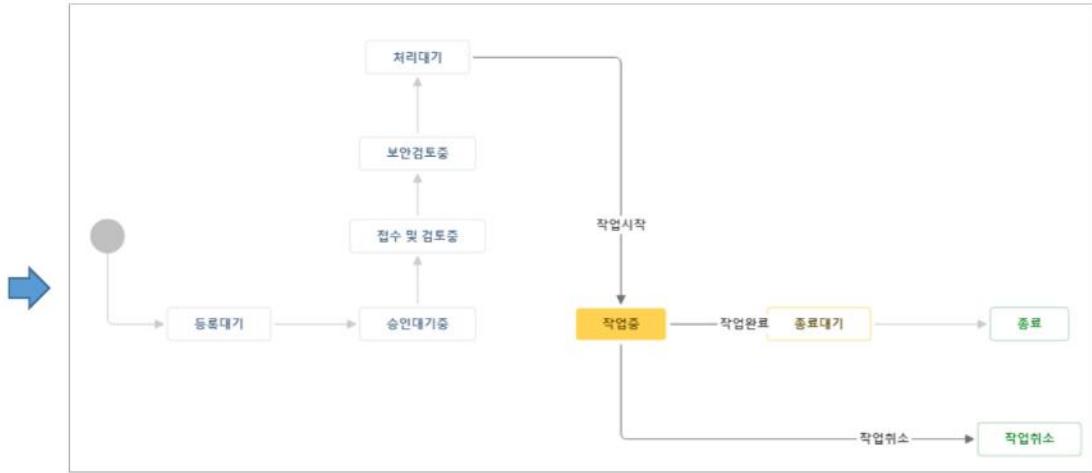
- 이슈가 진행되는 동안 현재 진행상태를 확인하고 'View Workflow' 링크를 통해 해당 이슈의 전체 workflow 를 확인 가능

Basic Software Development / BSD-38  
We need to wifi password

[Edit](#) [Comment](#) [Assign](#) [More ▾](#) [작업완료](#) [작업취소](#) [Admin ▾](#)

**Details**

Type:	<input checked="" type="checkbox"/> 사용자지원
Status:	<input checked="" type="checkbox"/> 작업중 <a href="#">(View Workflow)</a>
Priority:	<input checked="" type="checkbox"/> Medium
Resolution:	Unresolved
Affects Version/s:	None
Fix Version/s:	None
Component/s:	None
Labels:	None
요청작업유형:	데이터 제공
시스템 분류:	대분류1 - 소분류2
보안검토여부:	Yes



# 4. Working in Project

## ✓ JIRA Issue Transition (Status 변경)

- 정해진 Workflow Role에 따라 이슈가 변경됨 할당, 상태 변경, 종료 포함
- 유관부서 협의 하에 Workflow 정책 정의 > Administrators 가 Workflow 적용 후 운영  
(ex. Resolution 속성 값이 없을 시 Close 불가, Closing은 Reporter 만 가능 등등)

The screenshot shows a JIRA issue page for 'PROJECT-7 Improvement'. At the top, there's a 'Transition' button with a callout 'Transition 변경'. Below the header, there's a toolbar with 'Comment', 'Voters', 'More', a redboxed 'Reopen Issue' button, and 'Admin'. To the right, there's an 'Issue 상태' section with a 'CLOSED' button (redboxed) labeled 'View Workflow' and 'Fixed' under 'Resolved type'. In the 'Details' section, it shows 'Type: Bug', 'Priority: Major', 'Labels: None', and 'Status: Resolved'. Below that is an 'Activity' section with tabs 'All', 'Comments' (redboxed), 'Work Log', 'History', 'Activity', 'Git Code Review', and 'Git Commits'. A comment from 'GitLab' is highlighted with a red box and a callout 'Task history 공유'. Another callout points to the 'Resolved type' field.

# 4. Working in Project

## ✓ JIRA Issue Search

- 이슈를 검색하기 위한 방법, Quick search, Basic search, Advanced search 제공

**Quick search**

Issue key, project key, 연관 단어 입력

**Basic search**  
Issues (in header) > Search for issues

검색 Field 옵션 선택

**Advanced search**  
(JIRA Query Language (JQL))

Search Save as Share Export Tools

project = DEMO AND issuetype = Bug AND status = "To Do"

# 4. Working in Project

## ✓ JIRA Issue Search

- Export에서 검색 필터 된 이슈로 추가 기능 수행

The screenshot shows a JIRA search results page with 7 issues listed. A context menu is open over the first issue, specifically for the selected items (DEV1-7, DEV1-6, DEV1-5). The menu options are:

- Printable
- Full Content
- RSS (Issues)
- RSS (Comments)
- CSV (All fields)
- CSV (Current fields)
- XML
- Word
- Dashboard charts

The "Dashboard charts" option is highlighted with a red circle and a dashed red arrow pointing from the bottom right towards it.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution
<input checked="" type="checkbox"/>	DEV1-7	PASSWORD Rest API 요청	admin	admin	↑	IN PROGRESS	Unresolved
<input checked="" type="checkbox"/>	DEV1-6	Login Rest API 정보	admin	admin	↑	DONE	Done
<input checked="" type="checkbox"/>	DEV1-5	회원가입 기능 모바일까지 확장합니다.	Unassigned	admin	↑	IN PROGRESS	Unresolved
<input type="checkbox"/>	DEV1-4	라이센스 등록 오류	Unassigned	admin	↑	TO DO	Unresolved
<input type="checkbox"/>	DEV1-3	PASS 오입력 시 팝업 미출력합니다.	Unassigned	admin	↑	IN REVIEW	Unresolved
<input type="checkbox"/>	DEV1-2	웹 페이지 UI를 변경합니다.	Unassigned	admin	↑	IN PROGRESS	Unresolved
<input type="checkbox"/>	DEV1-1	사용자 로그인 불가	Unassigned	admin	↑	DONE	Done

Printable : 선택된 이슈들의 내용을 프린트 가능한 포맷으로 웹 페이지에서 제공

Full Content : 선택된 이슈들의 내용을 full text 포맷으로 웹 페이지에서 제공

RSS (Issues) : 선택된 이슈들의 변경을 구독

RSS (Comments) : 선택된 이슈들의 코멘트 변경을 구독

CSV : 선택된 이슈들을 CSV 포맷으로 추출

XML : 선택된 이슈들의 내용을 xml 포맷으로 웹페이지에서 저장

Word : 선택된 이슈들을 워드 형태로 저장

Dashboard charts : 현재 필터에 기반한 대시보드 가젯을 생성

# 4. Working in Project

## ✓ JIRA Issue Filter System Filter

- JIRA에서 기본으로 제공하는 Filter

The screenshot shows the JIRA issue filter interface. On the left, there's a sidebar with a red box highlighting the 'Find filters' section, which includes options like 'My open issues', 'Reported by me', 'All issues', etc. The main area displays a table of 7 issues, each with columns for Key, Summary, Assignee, Reporter, Status, Resolution, Created, Updated, and Due. The first issue is selected.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
<input checked="" type="checkbox"/>	DEV1-7	PASSWORD Rest API 요청	admin	admin	↑	IN PROGRESS	Unresolved	20/Jul/17	20/Jul/17	
<input checked="" type="checkbox"/>	DEV1-6	Login Rest API 정보	admin	admin	↑	DONE	Done	20/Jul/17	20/Jul/17	
<input checked="" type="checkbox"/>	DEV1-5	회원가입 기능 모바일까지 확장합니다.	Unassigned	admin	↑	IN PROGRESS	Unresolved	20/Jul/17	20/Jul/17	
<input checked="" type="checkbox"/>	DEV1-4	라이센스 등록 오류	Unassigned	admin	↑	TO DO	Unresolved	20/Jul/17	20/Jul/17	
<input checked="" type="checkbox"/>	DEV1-3	PASS 오입력 시 팝업 미출력합니다.	Unassigned	admin	↑	IN REVIEW	Unresolved	20/Jul/17	20/Jul/17	
<input checked="" type="checkbox"/>	DEV1-2	웹 페이지 UI를 변경합니다.	Unassigned	admin	↑	IN PROGRESS	Unresolved	20/Jul/17	20/Jul/17	
<input checked="" type="checkbox"/>	DEV1-1	사용자 로그인 불가	Unassigned	admin	↑	DONE	Done	20/Jul/17	20/Jul/17	

1. 나(current User)에게 할당된 이슈
2. 내가(current User) 보고한 이슈
3. 전체 이슈
4. 오픈 상태의 전체 이슈(해결되지 않은)
5. 종료된 이슈
6. 최근에 본 이슈
7. 최근에 생성된 이슈 (기본 1주 안에 생성된 이슈, Advanced에서 변경 가능)
8. 최근에 해결된 이슈 (7과 동일)
9. 최근에 업데이트된 이슈 (7과 동일)

# 4. Working in Project

## ✓ JIRA Issue Filter Custom Filter

- 사용자가 추출한 Filter 를 저장

The screenshot shows the JIRA interface for managing issues. On the left, there's a sidebar with sections like 'FILTERS' (containing 'New filter' and 'Find filters') and 'FAVORITE FILTERS' (containing 'Filter'). A red box highlights the 'FAVORITE FILTERS' section. In the center, a 'Filter' dialog box is open, with a red box highlighting the 'Save as' button. The dialog has a title 'Save Filter' and a field 'Filter Name\*' with placeholder text 'Enter a name for this Filter'. Below it are 'Submit' and 'Cancel' buttons. To the right of the dialog is a list of issues titled '1-7 of 7'.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
<input checked="" type="checkbox"/>	DEV1-7	PASSWORD Rest API 요청	admin	admin	<span>↑</span>	IN PROGRESS	Unresolved	20/Jul/17	20/Jul/17	
<input checked="" type="checkbox"/>	DEV1-6	Login Rest API 정보	admin	admin	<span>↑</span>	DONE	Done	20/Jul/17	20/Jul/17	
<span>+</span>	DEV1-5	회원가입 기능 모바일까지 확장합니다.	Unassigned	admin	<span>↑</span>	IN PROGRESS	Unresolved	20/Jul/17	20/Jul/17	
<span>✗</span>	DEV1-4	라이센스 등록 오류	Unassigned	admin	<span>↑</span>	TO DO	Unresolved	20/Jul/17	20/Jul/17	
<span>✗</span>	DEV1-3	PASS 오입력 시 팝업 미출력합니다.	Unassigned	admin	<span>↑</span>	IN REVIEW	Unresolved	20/Jul/17	20/Jul/17	
<span>+</span>	DEV1-2	웹 페이지 UI를 변경합니다.	Unassigned	admin	<span>↑</span>	IN PROGRESS	Unresolved	20/Jul/17	20/Jul/17	
<span>✗</span>	DEV1-1	사용자 로그인 불가	Unassigned	admin	<span>↑</span>	DONE	Done	20/Jul/17	20/Jul/17	

# 4. Working in Project

## ✓ Manage Dashboard

- 사용자 대시보드 구성하기 1

1 대시보드 구성

JIRA Dashboard interface. The 'Manage Dashboards' button is highlighted with a red box.



2 새 대시보드 만들기

Manage Dashboards page. The 'Create new dashboard' button is highlighted with a red box.



3 이름, 설명, 공유 설정

Create New Dashboard dialog box. Fields include:

- Name:
- Description:
- Start From: Blank dashboard (dropdown menu)
- Favorite:
- Shares: Not shared
- Add Shares: Group: jira-software-users

# 4. Working in Project

## ✓ Manage Dashboard

- 사용자 대시보드 구성하기 2

4 대시보드 생성 확인 > 클릭

JIRA Dashboards > Manage Dashboards

Manage Dashboards

Favorites

Favorite Dashboards

This page allows you to manage all your favorite dashboards.

Name	Owner	Shared With
★ Filter	jhlee (jhlee)	• Private Dashboard

5 새 가젯 또는 레이아웃 설정

JIRA Dashboards > Edit layout

Filter

Drag your gadgets here or add a new gadget.

Add gadget

Edit layout

Drag your gadgets here or add a new gadget.

6 가젯 선택 및 설정

Add a gadget

Search

CATEGORIES

- All (36)
- Charts (8)
- JIRA (26)
- Other (3)
- Wallboard (7)

Activity Stream  
by Atlassian - Local  
Lists recent activity in a single project, or in all projects.  
Show XML link

Agile Wallboard Gadget  
by Atlassian - Local  
Displays a board as a Wallboard gadget.  
Show XML link

Assigned to Me  
by Atlassian - Local  
Displays all unresolved issues assigned to me.  
Show XML link

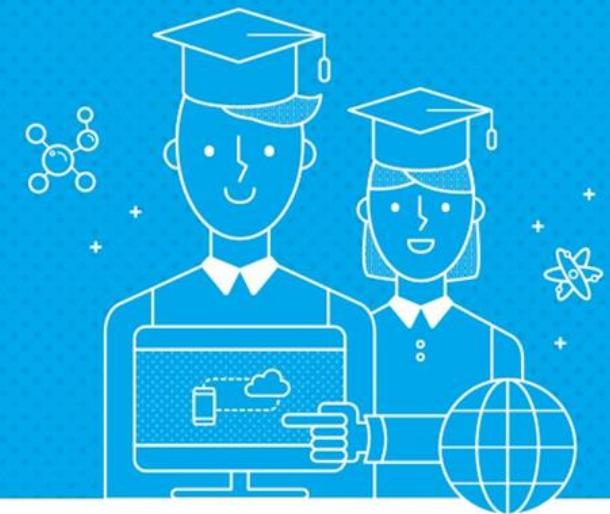
7 레이아웃 선택

Edit layout

Choose dashboard layout

Close

# 5. Agile Development



# 5. Agile Development

## ✓ Agile 용어

**Scrum** 스크럼은 프로젝트 관리를 위한 애자일 방법론으로서 추정 및 조정 기반의 경험적 관리기법의 대표적인 형태. 처음 시작은 1986년 타케우지 & 노나카 교수가 HBR에 기고한 "The New Product Development Game"이라는 기사를 그 기원으로 보면, 이후 1995년에 켄 슈와버와 제프 서덜랜드가 이 방법을 소프트웨어 개발에 소개하면서 스크럼이라 부르게 됨.

**Kanban** 간판의 일본어 발음으로 Toyota의 생산 시스템(Lean)에서 대표 시 되는 작업 지시서. 2000년 메리 포펜딕, 톰 포펜딕 부부에 의해 소프트웨어 개발 방법론으로 정립. Kanban의 주 원칙으로는 시각화 작업, 진행중인 작업 제한, 흐름에 집중, 지속적인 개선이 있음.

**Sprint** 개발팀은 스프린트라고 불리는 한정된 기간(Timebox)동안 계획한 일을 수행함. 프로젝트 상황에 따라 다르지만 주로 1주~4주 정도를 스프린트 기간으로 정함. 이를 다른 용어로 이터레이션(Iteration)이라고도 부름. 팀의 역량에 따라 (속도(Velocity)에 근거하여) 스프린트 기간 동안 완료하기로 약속한 업무를 지속 가능한 리듬으로 작업을 수행함. 팀은 스프린트 기간 동안 스프린트 백로그(Sprint Backlog)에 스스로 계획한 목표를 달성하기 위하여, 분석/설계/개발/테스트를 통해 실행 가능한 소프트웨어를 개발함.

# 5. Agile Development

## ✓ Agile 용어

- Epic**      큰 단위의 기능(또는 시스템) 이름을 적어 놓은 것 : 우선 순위도, 크기도 없으며, 사용자 스토리를 작성하기 위한 출발점.
- User Story**      소프트웨어의 사용자나 구매자에게 가치를 줄 수 있는 기능을 서술한 것으로, 계획하거나 기억하기 위한 단서로 사용됨. 대화를 통해 세부사항을 구체화하며, 세부사항을 테스트 케이스로 문서화함. 테스트를 통해 완료 여부를 판단.
- Sprint Backlog**      하나의 스프린트 동안 개발할 목록으로 사용자 스토리와 이를 완료하기 위한 작업을 태스크로 정의. JIRA Agile에서는 진행하고 있는 Sprint 외의 작업해야 할 Issue 리스트들로 각의 태스크의 크기는 시간 단위로 추정.
- Estimation**      사용자 스토리를 구현하는데 그 규모가 어느 정도인지 생각해 보는 과정. 애자일 추정에서는 프로젝트 초기에 현실적인 판단이 어려운 'Man-hour', 'Man-day' 같은 시간 단위보다는 실제 수행한 것을 기반으로 공수를 추정해 낼 수 있는 스토리 포인트를 사용.

# 5. Agile Development

## ✓ JIRA Agile Board –Scrum or Kanban Board

- 프로젝트를 Scrum or Kanban development 방식으로 선택 시 Agile board 자동 생성

Create project

**SOFTWARE**

- Scrum software development**: Agile development with a board, sprints and stories. Connects with source and build tools.
- Kanban software development**: Optimise development flow with a board. Connects with source and build tools.
- Basic software development**: Track development tasks and bugs. Connects with source and build tools.

**BUSINESS**

- Project management**: Plan, track and report on all of your work within a project.
- Process management**: Track all the work activity as it transitions through a streamlined process.

Import a project | Create with shared configuration | Create sample data



JIRA Dashboards Projects Issues Boards Create

Example Scrum Project Create board

Issues Reports Releases Components

PROJECT SHORTCUTS Add a link to useful information for your whole team to see.

+ Add link

RECENT BOARDS

- Open issues
- ESP board**
- SC1 board
- Scrum board - Basic
- TS board
- TS agile board

View all boards

Scrum software development

Name: Example Scrum Project

Key: ESP

Project Lead: admin

Scrum software development  
You are creating a project for a Scrum team. You may want to name this project after the product or development team that will use it.

Back Submit Cancel

※ **Board 생성** : Project 생성 시 Project Type에 따라 Board 자동 생성

**Scrum software development** : Scrum Board 자동 생성

**kanban software development** : Kanban Board 자동 생성

- **Scrum** : 계획된 로드맵에 따라 제품 개발을 진행하는 development 팀을 위한 모델로서, Sprint에서 작업을 진행

- **Kanban** : 제품의 릴리즈 관리를 진행하는 bugfix 팀에서 주로 사용되는 모델로서, Build 관리자, Support 팀, 개발 운영팀에 적합

# 5. Agile Development

## ✓ JIRA Agile Board

- Agile Board Create - 프로젝트를 Basic software Development 로 생성한 경우

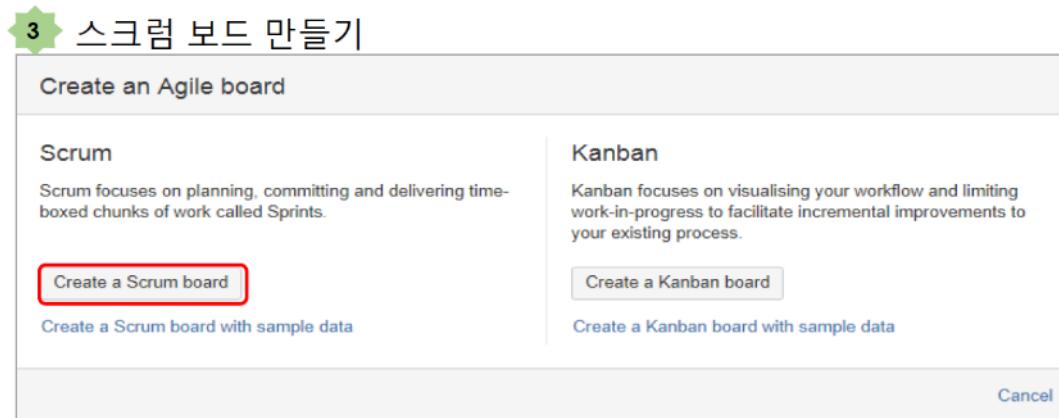
The screenshot shows the JIRA interface for managing boards. At the top, there's a navigation bar with 'Dashboards', 'Projects', 'Issues', 'Boards', and a 'Create' button. A dropdown menu under 'Boards' lists 'RECENT BOARDS' with entries for 'TS agile board' and 'TS board'. Below this is a button labeled 'View all boards' which is highlighted with a red box and a green starburst icon labeled '1 전체 보드 보기' (View all boards).

Below the navigation bar, the main area is titled 'Boards'. On the left, there's a sidebar with 'Recently visited boards' and a 'Create board' button, also highlighted with a red box and a green starburst icon labeled '2 새 보드 만들기' (Create new board). The main content area shows a table for 'All boards'. The table has columns for 'Board name', 'Board type', 'Administrators', 'Saved Filter', and 'Visibility'. One row is visible, showing 'TS agile board', 'Scrum', 'jhlee', 'Filter for TS agile board', and 'RESTRICTED'.

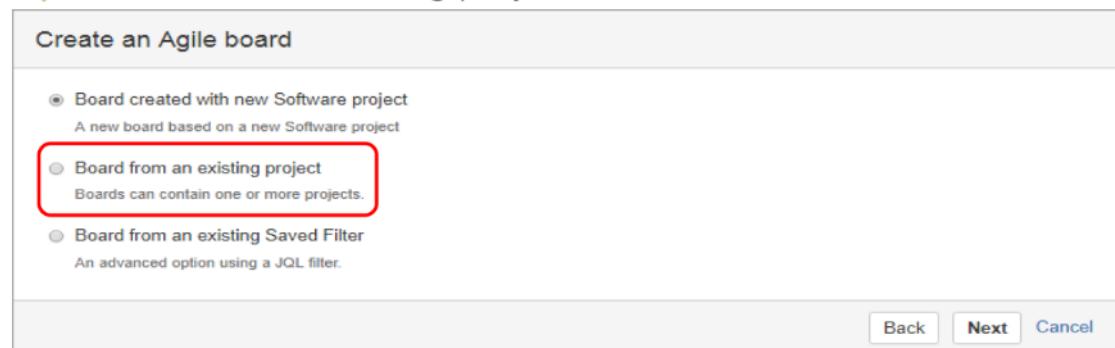
# 5. Agile Development

## ✓ JIRA Agile Board

- Agile Board Create - Scrum Board (For example)



4 Board from an existing project 선택



### ※ Agile board option

#### Board created with new Software project

- 새 프로젝트를 생성하며 board를 생성

#### Board from an existing project

- 이미 생성된 프로젝트 기반에 board를 생성

#### Board from an existing Saved Filter

- 사용자가 생성한 Filter를 기반으로 board를 생성

# 5. Agile Development

## ✓ JIRA Agile Board

- Agile Board Create - 제품 Backlog (Kanban 의 경우 Backlog 가 없음)

The screenshot shows the JIRA Agile interface for a 'Scrum Board - Development' project. The 'Backlog' section displays seven issues:

Issue Key	Description
DEV-4	Mobile용 회원가입 기능 추가
DEV-5	Remote controller 기능 추가
DEV-1	[Dev] 언어팩 추가 (en, ch, jp)
DEV-2	CLONE - [Dev] 언어팩 ++ (sp, ru, sw)
DEV-3	Base URL 변경 건
DEV-6	Application 내 게시판 성능 고도화
DEV-7	회원 등록 화면 UI 변경

On the left sidebar, there are navigation links for 'VERSIONS' and 'EPICS'. A 'Create Sprint' button is located in the top right corner of the backlog area.

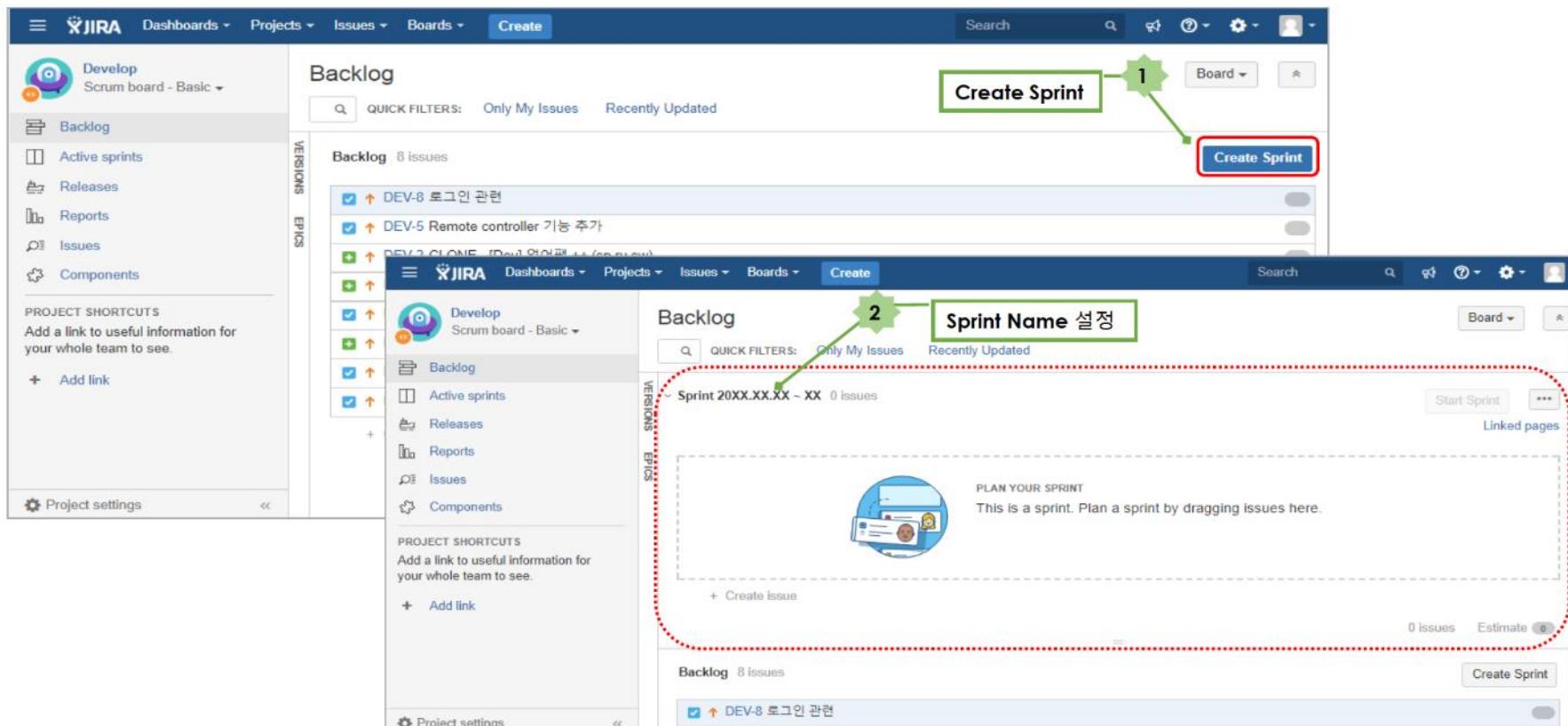
[Agile board 생성 화면]

# 5. Agile Development

## ✓ JIRA Agile Sprint

- Sprint Create

- Backlog > Create Sprint



# 5. Agile Development

## ✓ JIRA Agile Sprint

- Sprint Create - Issue 추가
  - Backlog에서 Plan Tab(Sprint Backlog)으로 Issue 이동

The screenshot shows the JIRA Agile interface with the 'Backlog' tab selected. On the left sidebar, there are project navigation links like 'Develop', 'Backlog', 'Active sprints', 'Releases', 'Reports', 'Issues', and 'Components'. Below that is a 'PROJECT SHORTCUTS' section for adding links. At the bottom left is 'Project settings'. The main area shows the 'Backlog' with several issues listed under 'Sprint 20XX.XX.XX ~ XX'. One issue, 'DEV-5 Remote controller 기능 추가', has a green checkmark and a small orange arrow icon. A large blue circular arrow graphic with the text 'Drag & Drop' is overlaid on the interface, pointing from the backlog area towards the sprint list. A green callout box with the number '3' contains the following instructions:

- Issue를 Backlog에서 Sprint로 이동
- Issue 마우스 클릭하고 Drag&Drop으로 Sprint로 이동

# 5. Agile Development

## ✓ JIRA Agile Sprint

### ▪ Sprint Configuration - Release

– Release > Release Version 관리 (보고된 Version, 수정 반영된 Version, 수정이 반영될 Version 등등)

The image shows two screenshots of the JIRA Agile interface. The left screenshot is the 'Releases' screen, where a new release is being created. A green arrow points from the 'Version name' field to a callout box containing Korean text: '버전명 기입, 시작날짜, 종료날짜 기입' (Enter version name, start date, end date). The right screenshot is an 'Issue' screen for a cloned issue. A red arrow points from the 'Version' dropdown menu to a callout box containing Korean text: '해당 스프린트 내 작업 되어야 할(To Do) 이슈는 Version Field에 추가됨' (Issues assigned to the sprint will be added to the Version field).

**Releases Screen (Left):**

- Version name: 1.0
- Status: UNRELEASED
- Start date: 04/Aug/17
- Release date: 11/Aug/17
- Description: None
- Actions: Add

**Issue Screen (Right):**

- Type: 새 기능 (New Feature)
- Priority: Medium
- Affects Version/s: None
- Status: TO DO (Unresolved)
- Resolution: Fix Version/s: 1.0
- Labels: None
- Description: None
- Attachments: None
- Issue Links: clones DEV-1 [Dev] 언어팩 추가 (an.ch.jp)
- Dates: Created: 17/Jul/17 2:48 PM, Updated: 21/Jul/17 4:17 PM
- Time Tracking: Estimated: 1d, Remaining: 1d, Logged: Not Logged

# 5. Agile Development

## ✓ JIRA Agile Sprint

- Sprint Configuration - Report

– Report > All reports - 진행중인 Sprint 의 시작화 편의 제공

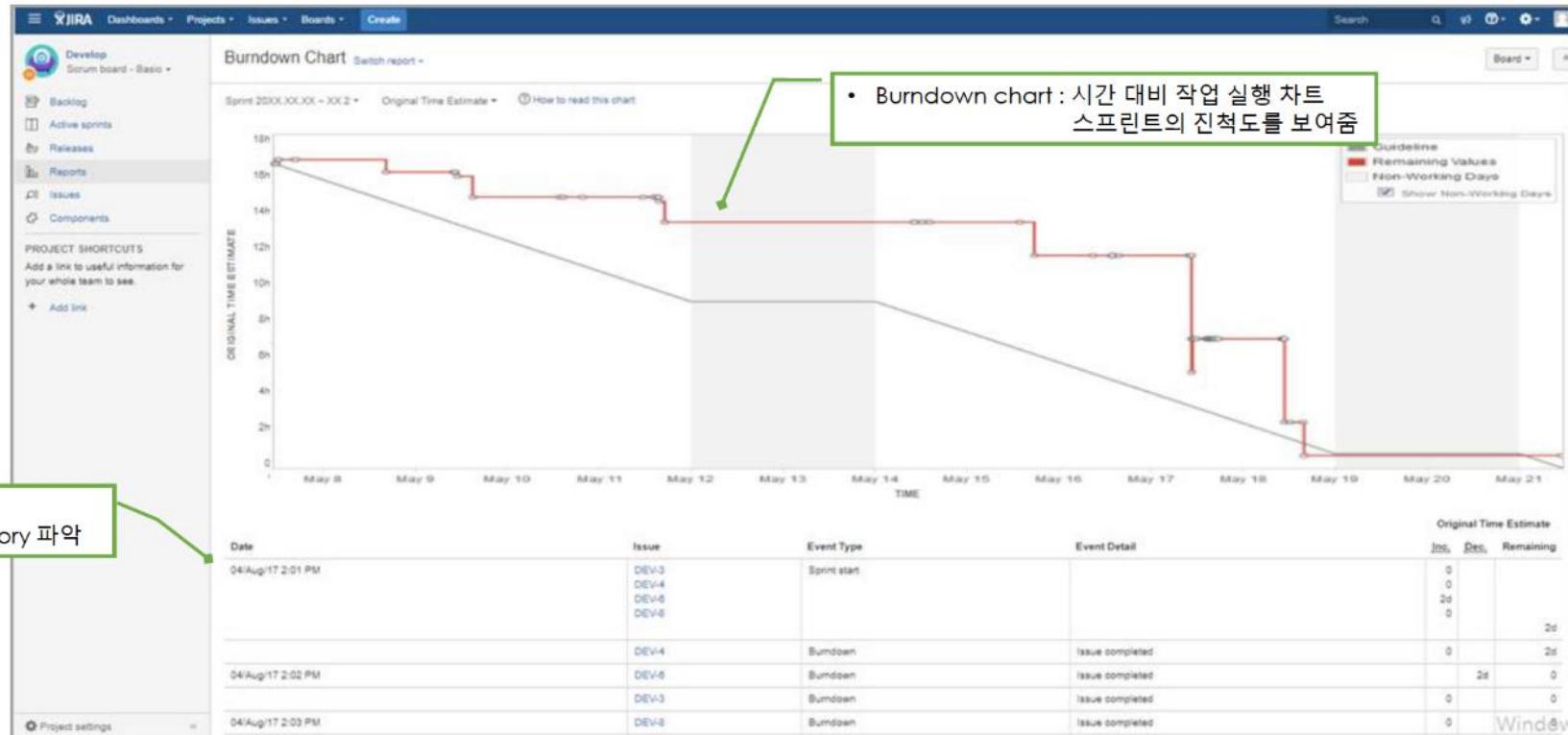
The screenshot shows the JIRA interface with the 'Agile' section selected. On the left, there's a sidebar with project navigation and settings. The main area displays eight different reports:

- Burndown Chart**: Shows work remaining over time.
- Sprint Report**: Shows completed work and backlog push-back.
- Velocity Chart**: Shows the amount of work completed per sprint.
- Cumulative Flow Diagram**: Shows the flow of work over time.
- Version Report**: Shows projected release dates.
- Epic Report**: Shows progress towards completing an epic.
- Control Chart**: Shows cycle times and process variation.
- Epic Burndown**: Shows the projected number of sprints required for an epic.

# 5. Agile Development

## ✓ JIRA Agile Sprint

- Sprint Configuration - Report
  - Report > All reports > Burndown Chart (예시)

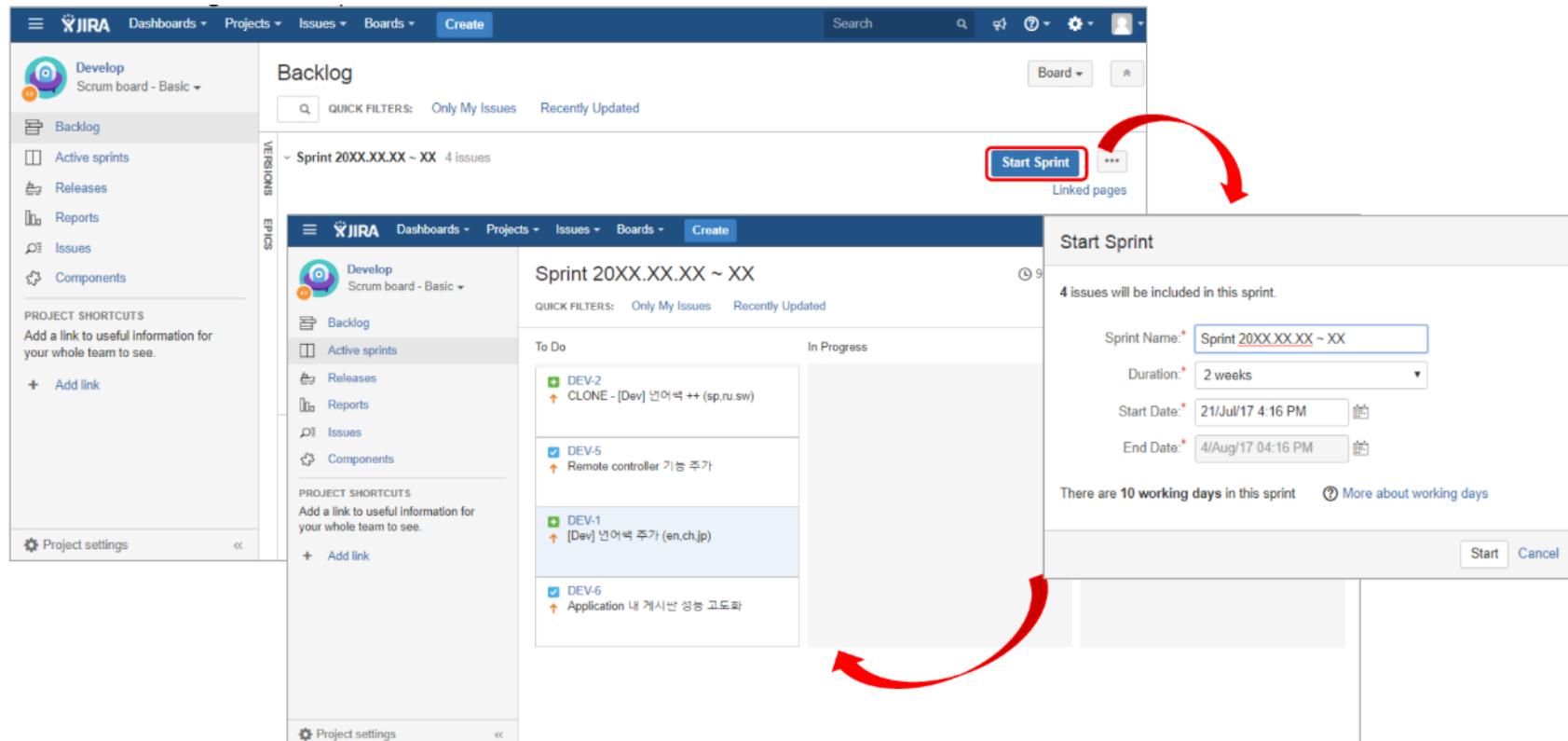


# 5. Agile Development

## ✓ JIRA Agile Sprint

### ▪ Sprint Execution

– Backlog > Start Sprint 실행 > 기간 설정 > Start



# 5. Agile Development

## ✓ JIRA Agile Sprint

### ▪ Sprint Execution - Issue Update

– Active Sprint에서 Issue 선택 > 우측 탭에서 정보 업데이트 실행

The screenshot shows the JIRA Agile interface for a sprint. On the left, the sidebar includes 'Active sprints' (circled in red), 'Issues' (highlighted with a green box), and a 'Details' callout pointing to the 'Edit' option in the context menu of an issue card.

**Sprint 20XX.XX.XX ~ XX**

**To Do**

- DEV-2
- CLONE - [Dev] 언어팩 ++ (sp.ru.sw)
- DEV-5** (highlighted with a red circle) Remote controller 기능 추가
- DEV-1
- [Dev] 언어팩 추가 (en,ch,jp)
- DEV-6
- Application 내 게시판 성능 고도화

**In Progress**

**Done**

**Edit Issue : DEV-5**

Summary: Remote controller 기능 추가

Issue Type: 작업

Reporter: admin

Component/s: None

Description:

Fix Version/s: None

Buttons: Update, Cancel

Context menu (highlighted with a green box):
 

- Issue 클릭 > Details에서 Field 정보 수정
- Board / DEV-5
- Remote controller
- Edit** (highlighted with a blue box)
- Assign
- Log work
- Send to Top
- Send to Bottom
- Attach files
- Stop watching
- Create sub-task
- Link
- Delete
- Remove from Sprint
- Add flag
- Add flag and comment
- More Actions...

Timestamps at the bottom right: Yesterday 3:52 PM, Today 4:17 PM

# 5. Agile Development

## ✓ JIRA Agile Sprint

- Sprint Execution - Issue Update - Story Point
  - Issue Edit > 작업 예상 Point 산정

The screenshot shows the JIRA Agile interface with the following details:

- Project:** Develop / DEV-6
- Issue Type:** Application 내 게시판 성능 고도화
- Estimate:** 2d (highlighted with a red box)
- Details:**
  - Status: TO DO (View Workflow)
  - Priority: Medium
  - Component/s: None
  - Labels: None
  - Affects Version/s: None
  - Fix Version/s: None
  - 큰틀 연결: None
- People:**
  - Reporter: admin
  - Assignee: Unassigned
  - Assign to me
- Backlog:** 4 issues
  - DEV-5 Remote controller 기능 추가 (2d)
  - DEV-6 Application 내 게시판 성능 고도화 (2d) (highlighted with a red box)
  - DEV-4 Mobile용 회원가입 기능 추가 (2d)
  - DEV-1 [Dev] 언어팩 추가 (en, ch, jp) (2d)
  - DEV-2 CLONE - [Dev] 언어팩 ++ (sp, ru, sw) (2d)
  - DEV-3 Base URL 변경 건 (2d)
  - DEV-7 회원 등록 화면 UI 변경 (2d)

- Story Point (Estimate)** : Story(이슈, 작업)를 구현하는데 소요되는 규모 입력(Number)
- Estimate** 미설정 혹은 Custom Field 미출력 선택 시 해당 항목 보이지 않음

# 5. Agile Development

## ✓ JIRA Agile Sprint

- Sprint Execution - Issue Update
  - Active Sprint > “To Do” > 다음 단계로 이동

**Sprint 20XX.XX.XX ~ XX**

9 days remaining Complete Sprint

**To Do**

**In Progress**

**Done**

**Drag & Drop**

**Issue Details:**

**Details**

- Status: TO DO (View Workflow)
- Priority: Medium
- Component/s: None
- Labels: None
- Affects Version/s: None
- Fix Version/s: None
- 큰틀 연결: None

**People**

- Reporter: admin
- Assignee: Unassigned
- Assign to me

**Dates**

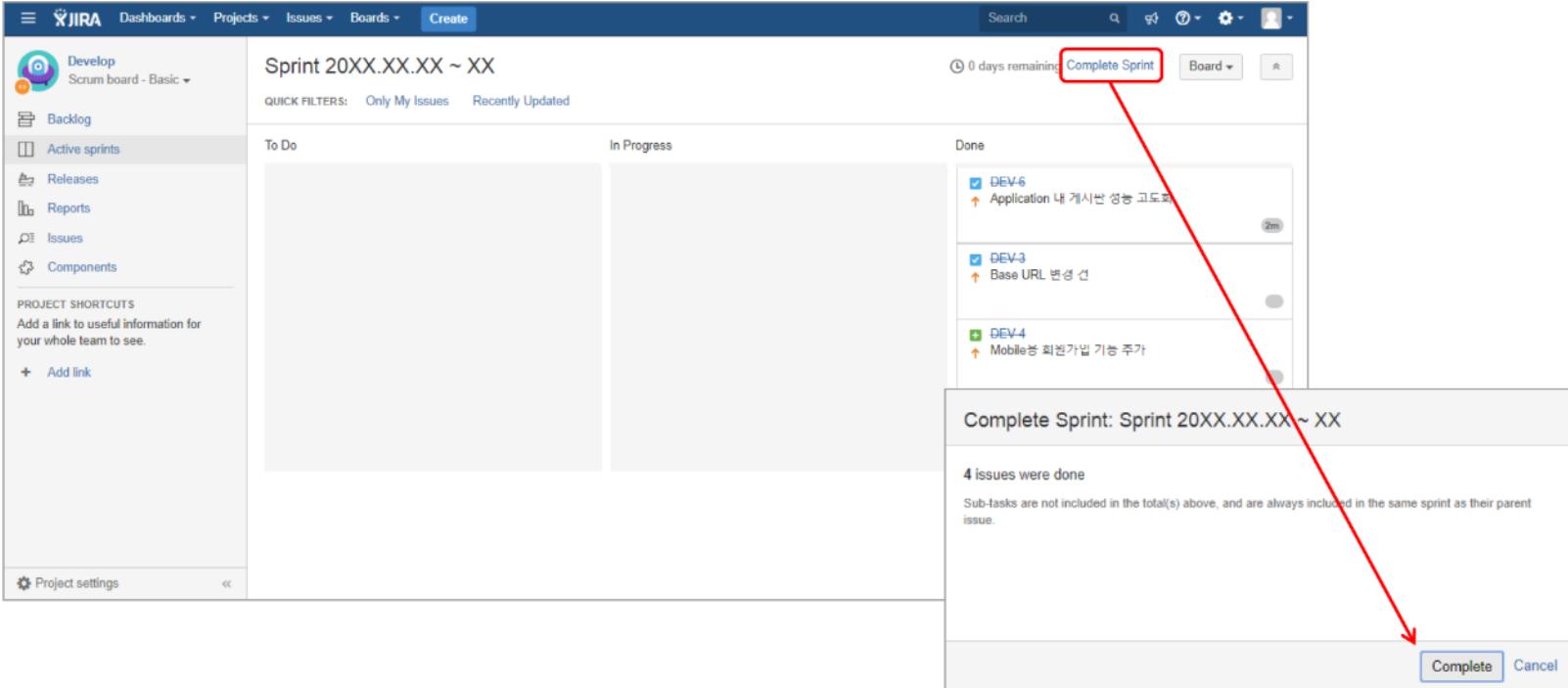
- Created: Yesterday 3:52 PM
- Updated: Today 4:17 PM

(\* Issue Edit 화면에서 Workflow 및 Status 변경 시에도 Agile Board 와 Mapping 됨 )

# 5. Agile Development

## ✓ JIRA Agile Sprint

- Sprint Close
  - Active Sprint > Complete Sprint > Complete



The screenshot shows the JIRA Agile interface during a sprint closure. On the left, the sidebar includes 'Develop' (Scrum board - Basic), 'Backlog', 'Active sprints' (selected), 'Releases', 'Reports', 'Issues', and 'Components'. Under 'PROJECT SHORTCUTS', there's a note to add links for the team. At the top, the navigation bar has 'Dashboards', 'Projects', 'Issues', 'Boards', 'Create', 'Search', and various filters. The main area displays a Scrum board for 'Sprint 20XX.XX.XX ~ XX'. The board has three columns: 'To Do', 'In Progress', and 'Done'. In the 'Done' column, four issues are listed: DEV-6 (Application 내 게시판 성능 고도화), DEV-3 (Base URL 변경), and DEV-4 (Mobile용 피드가입 기능 추가). A red arrow points from the 'Complete Sprint' button at the top right of the board to the 'Complete' button at the bottom right of the summary panel. The summary panel also states '4 issues were done'.

# 5. Agile Development

## ✓ JIRA Agile Sprint

### ▪ Sprint Close

– Active Sprint > Sprint 종료 시 Report 화면 출력

The screenshot shows the JIRA interface for a 'Scrum board - Basic' project. The left sidebar has 'Reports' selected. The main area displays a 'Sprint Report' for 'Sprint 20XX.XX.XX ~ XX'. It includes a burndown chart titled 'Status Report' showing progress from May 10 to May 21. Below the chart is a table of 'Completed Issues' and another table for 'Issues Removed From Sprint'.

Completed Issues					
Key	Summary	Issue Type	Priority	Status	Original Time Estimate (2d)
DEV-3 *	Base URL 변경 건	<input checked="" type="checkbox"/> 작업	↑ Medium	DONE	-
DEV-4 *	Mobile용 회원가입 기능 추가	<input checked="" type="checkbox"/> 새 기능	↑ Medium	DONE	-
DEV-6	Application 내 게시판 성능 고도화	<input checked="" type="checkbox"/> 작업	↑ Medium	DONE	2d
DEV-8 *	로그인 관리	<input checked="" type="checkbox"/> 작업	↑ Medium	DONE	-

Issues Removed From Sprint					
Key	Summary	Issue Type	Priority	Status	Original Time Estimate (1d)
DEV-1	[Dev] 언어팩 추가 (en.ch.jp)	<input checked="" type="checkbox"/> 새 기능	↑ Medium	TO DO	Windows 정품 인증 제어판에서 시스템으로 이동하여 Windows를

A green callout box highlights the 'Completed Issues' section with the text: '완료된 이슈, 다음 스프린트로 이관된 이슈, 제외된 이슈 History'.

# 감사합니다

