

# Templates

## ***Architecture Documentation Template***

Version wip, 2025-03-30

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# Architecture

```
<style>
.arc42help {font-size:small; width: 14px; height: 16px; overflow: hidden; position:
absolute; right: 0; padding: 2px 0 3px 2px;}
.arc42help::before {content: "?";}
.arc42help:hover {width:auto; height: auto; z-index: 100; padding: 10px;}
.arc42help:hover::before {content: "";}
@media print {
    .arc42help {display:none;}
}
</style>
```

## About arc42

arc42, the template for documentation of software and system architecture.

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# .1. Introduction and Goals

## .1.1. Requirements Overview

## .1.2. Quality Goals

## .1.3. Stakeholders

Role/Name	Contact	Expectations
<Role-1>	<Contact-1>	<Expectation-1>
<Role-2>	<Contact-2>	<Expectation-2>

## **.2. Architecture Constraints**

## **.3. Context and Scope**

### **.3.1. Business Context**

<Diagram or Table>

<optionally: Explanation of external domain interfaces>

### **.3.2. Technical Context**

<Diagram or Table>

<optionally: Explanation of technical interfaces>

<Mapping Input/Output to Channels>

## **.4. Solution Strategy**



## .5. Building Block View

### .5.1. Whitebox Overall System

**<Overview Diagram>**

**Motivation**

*<text explanation>*

**Contained Building Blocks**

*<Description of contained building block (black boxes)>*

**Important Interfaces**

*<Description of important interfaces>*

**<Name black box 1>**

*<Purpose/Responsibility>*

*<Interface(s)>*

*<(Optional) Quality/Performance Characteristics>*

*<(Optional) Directory/File Location>*

*<(Optional) Fulfilled Requirements>*

*<(optional) Open Issues/Problems/Risks>*

**<Name black box 2>**

*<black box template>*

**<Name black box n>**

*<black box template>*

**<Name interface 1>**

...

**<Name interface m>**

### .5.2. Level 2

**White Box <building block 1>**

*<white box template>*

**White Box <building block 2>**

<white box template>

...

**White Box <building block m>**

<white box template>

### **.5.3. Level 3**

**White Box <\_building block x.1\_>**

<white box template>

**White Box <\_building block x.2\_>**

<white box template>

**White Box <\_building block y.1\_>**

<white box template>

## .6. Runtime View

### .6.1. <Runtime Scenario 1>

- *<insert runtime diagram or textual description of the scenario>*
- *<insert description of the notable aspects of the interactions between the building block instances depicted in this diagram.>*

### .6.2. <Runtime Scenario 2>

### .6.3. ...

### .6.4. <Runtime Scenario n>

## .7. Deployment View

### .7.1. Infrastructure Level 1

**<Overview Diagram>**

**Motivation**

*<explanation in text form>*

**Quality and/or Performance Features**

*<explanation in text form>*

**Mapping of Building Blocks to Infrastructure**

*<description of the mapping>*

### .7.2. Infrastructure Level 2

**<Infrastructure Element 1>**

*<diagram + explanation>*

**<Infrastructure Element 2>**

*<diagram + explanation>*

...

**<Infrastructure Element n>**

*<diagram + explanation>*

## .8. Cross-cutting Concepts

### .8.1. <Concept 1>

<explanation>

### .8.2. <Concept 2>

<explanation>

...

### .8.3. <Concept n>

<explanation>

## **.9. Architecture Decisions**

## **.10. Quality Requirements**

### **.10.1. Quality Tree**

### **.10.2. Quality Scenarios**

## **.11. Risks and Technical Debts**



## .12. Glossary

Term	Definition
<Term-1>	<definition-1>
<Term-2>	<definition-2>