 Template

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# 

**About arc42**

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

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© We acknowledge that this document uses material from the arc 42 architecture template, [http://www.arc42.de](http://www.arc42.de/). Created by Dr. Peter Hruschka & Dr. Gernot Starke.

# Introduction and Goals

## Requirements Overview

## Quality Goals

## Stakeholders

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

# Architecture Constraints

# System Scope and Context

## Business Context

**<Diagram or Table>**

**<optionally: Explanation of external domain interfaces>**

## Technical Context

**<Diagram or Table>**

**<optionally: Explanation of technical interfaces>**

**<Mapping Input/Output to Channels>**

# Solution Strategy

# Building Block View

## 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>

## 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>*

## 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>*

# Runtime View

## <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.>*

## <Runtime Scenario 2>

## …

## <Runtime Scenario n>

# Deployment View

## 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>*

## Infrastructure Level 2

### *<Infrastructure Element 1>*

*<diagram + explanation>*

### *<Infrastructure Element 2>*

*<diagram + explanation>*

…

### *<Infrastructure Element n>*

*<diagram + explanation>*

# Cross-cutting Concepts

## *<Concept 1>*

*<explanation>*

## *<Concept 2>*

*<explanation>*

…

## *<Concept n>*

*<explanation>*

# Design Decisions

# Quality Requirements

## Quality Tree

## Quality Scenarios

# Risks and Technical Debts

# Glossary

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