

# Pattern for a IT-Concept

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**Syntax:** <> = optional contents

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## 1. General

## 2. Base

### 2.1. Overview

### 2.2. Architecture

#### 2.2.1. Application diagram

data  
 applications  
 <interfaces>  
 <other systems>

### 2.3. Requirements

#### 2.3.1. Software

applications  
 <versions>

#### 2.3.2. <Hardware>

#### 2.3.3. <Data>

### 2.4. Targets

#### 2.4.1. <Software>

<Compatibilities>

#### 2.4.2. <Performance>

#### 2.4.3. <Availabilities>

### 2.5. Contacts

#### 2.5.1. <functional>

<conception>  
 <organisation>

## **2.5.2. <technical>**

<administration>

<development>

## **3. Data**

### **3.1. Overview**

### **3.2. Architecture**

#### **3.2.1. Dataflow diagram**

<configuration>

<databases>

<text files>

<data streams>

<user interaction>

<applications>

### **3.3. Data entities**

What

data types

data formats

<data ranges>

Wherefrom

<see 3.2.1.>

Whereto

<see 3.2.1.>

When

<updates>

<intervals>

### **3.4. <Data integrity>**

<exceptions>

<examinations>

### **3.5. <Data models>**

## **4. Control**

What

<user>

<permissions>

<applications>

<permissions>

<services>

<permissions>

When

<dates>

<intervals>

How

<surface>

<parameter>

## **5. Processing**

### **5.1. Overview**

### **5.2. Architecture**

#### **5.2.1. <access diagram>**

<application layer>

#### **5.2.2. Class diagram**

<class resp. module diagram>

<function resp. procedure diagram>

### **5.3. Processing entities**

What

<modules>

<classes>

<functions>

<procedures>

Where

<files>

<network>

When

running behaviour

### **5.4. <Data plausibility>**

<assumptions>

<examinations>

## **6. Logging**

technical protocols

functional protocols

## **7. Quality assurance**

### **7.1. <Development principles>**

### **7.2. Test**

