|  |
| --- |
| [公司名称] |
| 质 量 评 估 报 告 |
| 违规报告 |
|  |

|  |
| --- |
| [作者姓名]  日期 |

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# **概要信息**

## **应用信息**

### **日期**

Monday, xx July 2012

### **应用名称**

My Application Name

### **最后一次快照的版本名称**

Version Number

### **最后一次快照的日期**

Snapshot Date

### **应用规模评估**

Small/Medium/Large/ExtraLarge

### **应用质量评估**

VeryLow/Low/Medium/Good/VeryGood

### **版本列表**

|  |  |
| --- | --- |
| Version | Date |
| V3 | 1/1/2015 |
| V2 | 1/1/2014 |
| V1 | 1/1/2013 |

### **模块列表**

|  |
| --- |
| Modules |
| My Module 1 |
| Their Module 2 |

### **模块的组件构成分布**

## **规则检查**

### **规则-总检查数**

0.00

### **规则-检查失败数**

0.00

### **规则-检查失败数与检查总数**

0.00

# **评分信息**

## **评分及变化**

### **合规性评分及其变化**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Prog. | Arch. | Doc. |
| Curr. Vers | **0.00** | **0.00** | **0.00** |
| Prev. Vers | 0.00 | 0.00 | 0.00 |
| Variation | 0.00 % | 0.00 % | 0.00% |

### **TQI整体质量指标评分及演化**

|  |  |  |
| --- | --- | --- |
| Statisticss | Current | Previous |
| - | **-** | **-** |

### **按照业务条件分类的技术条件及其评分表**

|  |  |  |
| --- | --- | --- |
| Technical Criteria Name | Grade | Evolution |
| Architecture - Multi-Layers and Data Access | 2.2 | 1.23 % |
| Architecture - Object-level Dependencies | 1.4 | 0.00 % |
| Architecture - OS and Platform Independence | 3.23 | 0.00 % |
| Architecture - Reuse | 3.45 | 0.00 % |
| Complexity - Algorithmic and Control Structure Complexity | 2.2 | 0.00 % |
| Complexity - Dynamic Instantiation | 1.4 | 0.00 % |
| Complexity - OO Inheritance and Polymorphism | 3.23 | 0.00 % |
| Complexity - SQL Queries | 3.45 | 0.00 % |
| Dead code (static) | 2.3 | 0.00 % |
| Programming Practices - Error and Exception Handling | 3.5 | 0.00 % |
| Programming Practices - OO Inheritance and Polymorphism | 1 | 0.00 % |
| Programming Practices - Structuredness | 2.2 | 0.00 % |
| Programming Practices - Unexpected Behaviour | 1.4 | 0.00 % |
| Secure Coding - Time and State | 3.23 | 0.00 % |
| Volume - Number of Components | 1 | 0.00 % |

# **排名分布信息**

## **排名及其分布**

### **技术排行-按规模**

|  |  |  |
| --- | --- | --- |
| Name |  | LOC |
| Techno 1 |  | 000,000 |
| Techno 2 |  | 000,000 |
| Techno 3 |  | 000,000 |
| Techno 4 |  | 000,000 |
| Techno 5 |  | 000,000 |

### **技术排行-按分数**

|  |  |
| --- | --- |
| Name | Value |
| Techno 1 | 000,000 |
| Techno 2 | 000,000 |
| Techno 3 | 000,000 |
| Techno 4 | 000,000 |
| Techno 5 | 000,000 |

### **技术规模信息**

|  |  |
| --- | --- |
| Name | Number |
| kLOCs | 000 |
| Files | 0,000 |
| Classes | 0,000 |
| SQL Art. | 00 |
| Tables | 00 |

### **健康因素分数和演化（同上一个快照相比）**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | TQI | Robu | Efcy | Secu | Trans | Chang |
| Curr. Vers | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| Prev. Vers | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Variation | 0.00 % | 0.00 % | 0.00 % | 0.00 % | 0.00 % | 0.00 % |

### **规则排名（按照可优化的优先程度）**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 🡪 Rule | Current violation | Previous violation | Evol. | Grade | Evol. |
| Rule1 | 1 | 1 | 1 | 2.2 | 1 |
| Rule2 | 2 | 2 | 2 | 1.4 | 2 |
| Rule3 | 3 | 3 | 3 | 3.23 | 3 |
| Rule4 | 4 | 4 | 4 | 3.45 | 4 |
| Rule5 | 5 | 5 | 5 | 2.2 | 5 |
| Rule6 | 6 | 6 | 6 | 1.4 | 6 |
| Rule7 | 7 | 7 | 7 | 3.23 | 7 |
| Rule8 | 8 | 8 | 8 | 3.45 | 8 |
| Rule9 | 9 | 9 | 9 | 2.3 | 9 |
| Rule10 | 10 | 10 | 10 | 3.5 | 10 |

### **按代码行统计的技术分布**

### **健康状况雷达图**

### **合规性状况雷达图**

### **健康状况趋势变化图**

### **合规状况趋势变化图**

### **总体状况趋势图**

### **总体状况雷达图**

# **复杂度评估**

## **复杂度分布**

### **CAST复杂度**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cast complexity | Current total | Previous total | Evol. | Evol. % | % on total elements |
| Low | A2 | A1 | A2-A1 | (A2-A1)/A1 | 100\*A2/(A2+B2+C2+D2) |
| Average | B2 | B1 | B2-B1 | (B2-B1)/B1 | 100\*B2/(A2+B2+C2+D2) |
| High | C2 | C1 | C2-C1 | (C2-C1)/C1 | 100\*C2/(A2+B2+C2+D2) |
| Very High | D2 | D1 | D2-D1 | (D2-D1)/D1 | 100\*D2/(A2+B2+C2+D2) |

### **CAST 分布**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Distribution | Current total | Previous total | Evol. | Evol. % | % on total elements |
| Low | A2 | A1 | A2-A1 | (A2-A1)/A1 | 100\*A2/(A2+B2+C2+D2) |
| Average | B2 | B1 | B2-B1 | (B2-B1)/B1 | 100\*B2/(A2+B2+C2+D2) |
| High | C2 | C1 | C2-C1 | (C2-C1)/C1 | 100\*C2/(A2+B2+C2+D2) |
| Very High | D2 | D1 | D2-D1 | (D2-D1)/D1 | 100\*D2/(A2+B2+C2+D2) |

### **CAST 高分布与极高分布 图表**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cyclomatic Complexity Distribution | Current total | Previous total | Evol. | % on total elements |
| High and Very High Complexity | C2+D2 | C1+D1 | (C2+D2)-(C1+D1) | 100\*(C2+D2)/(A2+B2+C2+D2) |

### **CAST高复杂度与极高复杂度图表**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cast complexity | Current total | Previous total | Evol. | % on total elements |
| High and Very High Complexity | C2+D2 | C1+D1 | (C2+D2)-(C1+D1) | 100\*(C2+D2)/(A2+B2+C2+D2) |

### **复杂度及违规统计：组件统计 – CAST复杂度和违规**

|  |  |  |
| --- | --- | --- |
| Module | Artifacts | W/violations |
| Externe | - | - |
| High |  | - |
| Average | - | - |
| Low | - | - |

### **CAST复杂度**

CAST基于以下几项分布提供对象分布。

* 算法复杂度（基于圈复杂度
* 耦合 (扇入, 扇出)
* 文档比例
* 组件规模

### **CAST 分布**

CAST 基于选择的分布提供对象分布。

# **技术负债信息**

## **技术负债**

### **技术负债**

|  |  |
| --- | --- |
| Name | Value |
| Technical debt | - |
| Technical Debt added | - |
| Echnical Debt removed | - |

### **技术负债的结果**

0.00

### **技术负债趋势气泡图**

# **规模信息**

## **功能点度量**

### **未调整的数据功能点度量值**

0.00

### **未调整的交易功能点度量值**

0.00

### **增加的EFP度量值**

0.00

### **删除的EFP度量值**

0.00

### **修改的EFP度量值**

0.00

### **汇总的EFP度量值**

0.00

### **功能点信息**

|  |  |
| --- | --- |
| Name | Number |
| Automated Function Points | 000 |
| Decision Points (Total CC) | 0,000 |
| Back Fire Function Points | 0,000 |

### 功能点变化信息

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Prev. Number | Cur. Number | Evolution | Evolution % |
| Automated Function Points | 000 | 000 | 000 | 0.00% |
| Decision Points (Total CC) | 0,000 | 0,000 | 0,000 | 0.00% |
| Back Fire Function Points | 0,000 | 0,000 | 0,000 | 0.00% |

### IFPUG 功能点

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Element Type | Object Name | # of FPs | FP Details | Object Type | Nom du module | Technology |
| Data Function | Object Name | 7 | DET: 1, RET: 1, ILF: 7 (Internal) | NodeJS Mongoose model | Module | HTML5 |

# **违规信息**

## **违规统计**

### **违规情况统计**

|  |  |
| --- | --- |
| Name | Number |
| Critical Violations | 0,000 |
| per File | 0.00 |
| per kLOCs | 0.00 |
| Complex Objects | 0,000 |
| with violations | 000 |

### **关键性违规排行**

|  |  |
| --- | --- |
| Rules | Count |
| Rule 1 | 0 |
| Rule 2 | 0 |
| Rule 3 | 0 |
| Rule 4 | 0 |
| Rule 5 | 0 |

### **关键违规-按应用**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | TQI | Robu. | Efcy | Secu. | Trans. | Chng. |
| Version actuelle | 0 | 0 | 0 | 0 | 0 | 0 |
| Ajoutées | +0 | +0 | +0 | +0 | +0 | +0 |
| Supprimées | -0 | -0 | -0 | -0 | -0 | -0 |

## **违规详情**

### **多个质量规则的违规列表（含源代码信息）**

|  |
| --- |
| Object name |
| Violation #1 |
| …. |