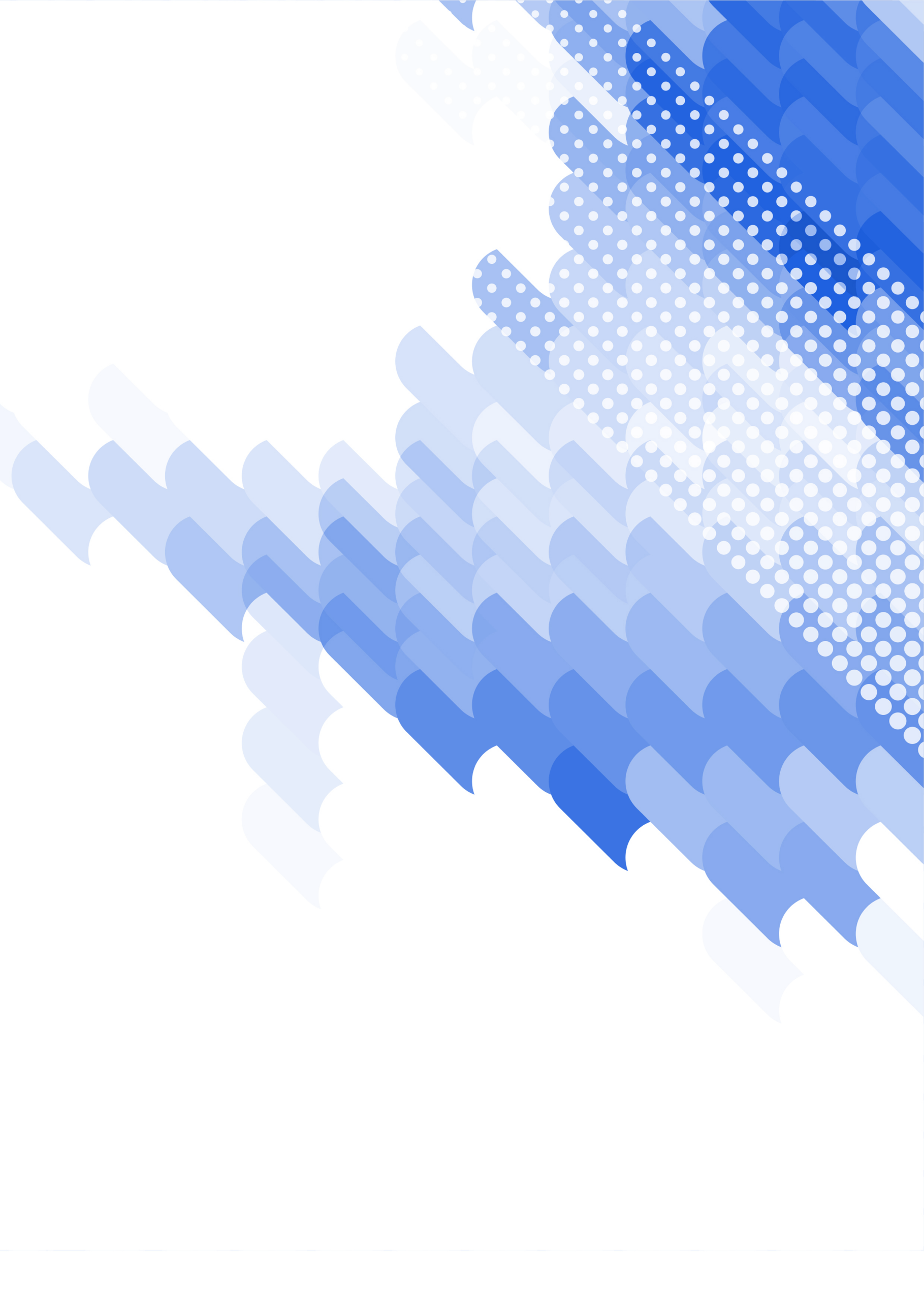
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上海万雍科技股份有限公司

2024年10月11日

www.vanytech.com

**浙江中医药大学2024年第三度运维巡检  
统计报告**

## 说明

该巡检报告是上海万雍科技股份有限公司为服务期内客户提供的贴心服务之一，暂定在每个季度以及开学、长节假日返校期间提供的日常巡检服务。该巡检服务旨在通过各项系统、数据库、日志、功能测试等检查内容，及时发现问题以保障客户系统的正常运行，因为系统运行受到环境、网络、安全等方面影响，巡检正常不代表绝对避免系统问题出现，但可以大幅降低问题出现的概率，感谢用户的支持和帮助。

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##### 信息

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **巡检时间** | **季度** | **客户单位** | **环境** | **巡检人员** | **电话** |
| 2024/10/11 | Q3 | 浙江中医药大学 | 消息中心、人像库、微门户 | 柳毓琳 | 15317265303 |

##### 巡检内容

###### 安全性检查

* 1. 审核用户
* 查询特权用户，输出信息应为root或其他有记录的特权用户；
* 查询可以远程登录的帐号信息，输出信息应为root或其他有记录的用户；
* 查询空密码账户，输出用户记录并上报，必要时可清理删除；
  1. 系统入侵检查
* 登录日志检查
* 检查登录过主机的IP列表次数，排查是否有异常IP(归属地在国外、登录次数过多等)；
* 检查登陆失败的IP列表跟尝试次数。短时多次登陆失败可以认定为爆破攻击。记录报告并制定处理计划；
* 计划任务检查
* 检查计划任务列表中是否有无记录的任务。如果有，则需要确认该任务的功能。如果任务为下载、运行未知进程、创建其他的定时任务、写ssh后门等功能的话，则可以判断为主机已被入侵。必须立即记录报告并处理；

###### 资源检查

* 检查当前主机资源状态信息：CPU、内存、系统时间、网络连接状态；
* 检查占用RAM或CPU前十的进程信息；
* 获取主要分区磁盘使用信息、获取中间件服务运行状态等；

###### 数据库检查

* 检查数据库备份脚本的运行状态，确认备份可用性；
* 检查数据库系统日志（定期查询日志可在数据库出现异常前及时规避问题）；
* 核查业务占用实例数据量、当前数据库的活跃连接数、缓存命中率、慢SQL；

###### 系统检查

定期检查各系统主要功能模块的运行状态与参数，可有效避免系统在不知情的情况下出现故障问题，导致不必要的影响与损失。

##### 巡检报告

###### 安全性检查

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 1 | **192.168.21.87** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 2 | **192.168.21.81** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 3 | **192.168.21.85** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 4 | **192.168.21.95** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 5 | **192.168.21.96** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 6 | **192.168.21.97** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 7 | **192.168.21.126** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 8 | **192.168.21.127** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 9 | 192.168.21.128 | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 10 | **192.168.21.75** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 11 | **192.168.21.74** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 12 | **192.168.21.193** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 13 | **192.168.21.194** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 14 | **192.168.22.32** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | *✔* |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 15 | **192.168.21.70** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | *✘* | 发现来自 192.168.98.161 的多次爆破记录 | 检查该IP的资产信息 |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 16 | **192.168.21.192** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 17 | **192.168.23.2** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 18 | **192.168.23.3** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | *✔* |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 19 | **192.168.23.4** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 20 | **192.168.23.5** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 21 | **192.168.23.6** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 22 | **192.168.23.57** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | *✔* |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 23 | **192.168.23.58** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 24 | **192.168.23.59** | 异常特权账户 | ✔ |  |  |
| 异常远程账户 | ✔ |  |  |
| 空密码账户 | ✔ |  |  |
| 爆破记录 | ✔ |  |  |
| 异常计划任务 | ✔ |  |  |

###### 资源检查

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 1 | **192.168.21.87** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 2 | **192.168.21.81** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 3 | **192.168.21.85** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 4 | **192.168.21.95** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 5 | **192.168.21.96** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 6 | **192.168.21.97** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 7 | **192.168.21.126** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 8 | **192.168.21.127** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 9 | **192.168.21.128** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 10 | **192.168.21.75** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 11 | **192.168.21.74** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 12 | **192.168.21.193** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 13 | **192.168.21.194** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 14 | **192.168.22.32** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✘ | 内存占用超过80% | 检查高占用进程并考虑扩容配置 |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 15 | **192.168.21.70** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 16 | **192.168.21.192** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✘ | 防火墙未开启 | 建议开启 |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 17 | **192.168.23.2** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | *✘* | 内存占用超过80% | 检查高占用进程并考虑扩容配置 |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 18 | **192.168.23.3** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 19 | **192.168.23.4** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 20 | **192.168.23.5** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 21 | **192.168.23.6** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✘ | 内存使用超过80% | 高负载应用，建议扩容 |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 22 | **192.168.23.57** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 23 | **192.168.23.58** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

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| **序号** | **服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 24 | **192.168.23.59** | CPU使用率 < 80% | ✔ |  |  |
| 内存使用率 < 80% | ✔ |  |  |
| TOP10进程信息 | ✔ |  |  |
| 僵尸进程 | ✔ |  |  |
| 服务器时间 | ✔ |  |  |
| 防火墙状态 | ✔ |  |  |
| ESTABLISHED < 1000 | ✔ |  |  |
| 磁盘分区占用 < 80% | ✔ |  |  |

###### 数据库检查结果

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| --- | --- | --- | --- | --- | --- |
| **序号** | **数据库服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 1 | **192.168.21.87** | 数据库状态 | ✔ |  |  |
| Innodb 索引命中率 > 80% | ✔ |  |  |
| 慢SQL占比 < 10 % | ✔ |  |  |
| 活跃连接数使用率 < 80% | ✔ |  |  |
| 备份状态 | ✔ |  |  |
| 系统日志 | ✔ |  |  |
| 当前版本 | MySQL-5.6.48 | | |
| **实例** | **实例大小GB** | **数据量（条数）** | |
| message\_3\_1\_1 | 26.11 GB | 20199161 | |
| message\_3\_1\_6 | 100.47 GB | 65842398 | |
| message\_3\_1\_5 | 0.21 GB | 517702 | |

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| **序号** | **数据库服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 2 | **192.168.21.127** | 数据库状态 | ✔ |  |  |
| Innodb 索引命中率 > 80% | ✔ |  |  |
| 慢SQL占比 < 10 % | ✔ |  |  |
| 活跃连接数使用率 < 80% | ✔ |  |  |
| 备份状态 | ✔ |  |  |
| 系统日志 | ✔ |  |  |
| 当前版本 | MySQL-5.1.73 | | |
| **实例** | **实例大小GB** | **数据量（条数）** | |
| xiaoyouhui | 0.28 GB | 581486 | |
|  |  |  | |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **数据库服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 3 | **192.168.22.32** | 数据库状态 | ✔ |  |  |
| Innodb 索引命中率 > 80% | ✔ |  |  |
| 慢SQL占比 < 10 % | ✔ |  |  |
| 活跃连接数使用率 < 80% | ✔ |  |  |
| 备份状态 | ✘ | 备份已手动停止 | 建议检查备份状态 |
| 系统日志 | ✔ |  |  |
| 当前版本 | MySQL-5.7.43 | | |
| **实例** | **实例大小GB** | **数据量（条数）** | |
| data\_center | 176.36 GB | 20199514 | |
|  |  |  | |

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| **序号** | **数据库服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 4 | **192.168.21.70** | 数据库状态 | ✔ |  |  |
| Innodb 索引命中率 > 80% | ✔ |  |  |
| 慢SQL占比 < 10 % | ✔ |  |  |
| 活跃连接数使用率 < 80% | ✔ |  |  |
| 备份状态 | ✔ |  |  |
| 系统日志 | ✔ |  |  |
| 当前版本 | MySQL-5.6.35 | | |
| **实例** | **实例大小GB** | **数据量（条数）** | |
| platform\_face\_3\_1 | 44.50 GB | 4464810 | |
| mescenter | 20.02 GB | 23207781 | |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **数据库服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 5 | **192.168.23.4** | 数据库状态 | ✔ |  |  |
| Innodb 索引命中率 > 80% | ✔ |  |  |
| 慢SQL占比 < 10 % | ✔ |  |  |
| 活跃连接数使用率 < 80% | ✔ |  |  |
| 备份状态 | ✔ |  |  |
| 系统日志 | ✔ |  |  |
| 当前版本 | MySQL-8.0.31 | | |
| **实例** | **实例大小GB** | **数据量（条数）** | |
| platform\_face\_3\_0 | 28.30 GB | 104839716 | |
| platform\_face\_freezer\_3\_0 | 46.92 GB | 661327 | |
| platform\_face\_segregation\_photo\_3\_0 | 4.05 GB | 2362404 | |
| platform\_face\_segregation\_user\_3\_0 | 1.65 GB | 29818642 | |
| platform\_face\_segregation\_collect\_3\_0 | 40.50 GB | 20534676 | |
| platform\_algorithm | 0.10 GB | 139023 | |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **数据库服务器** | **巡检内容** | **巡检结果** | **异常信息** | **优化建议** |
| 6 | **192.168.23.58** | 数据库状态 | ✘ | 该库未使用 | 建议移除该实例 |
| Innodb 索引命中率 > 80% | ✔ |  |  |
| 慢SQL占比 < 10 % | ✔ |  |  |
| 活跃连接数使用率 < 80% | ✔ |  |  |
| 备份状态 | ✔ |  |  |
| 系统日志 | ✔ |  |  |
| 当前版本 | MySQL-8.0.33 | | |
| **实例** | **实例大小GB** | **数据量（条数）** | |
|  |  |  | |

###### 系统检查

4.1 状态检查

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| --- | --- | --- | --- | --- | --- |
| **序号** | **系统名称** | **主要功能模块（检查点）** | **检查结果** | **问题** | **处理** |
| 1 | 人像平台 | H5界面与管理后台 | ✔ |  |  |
| 算法核验 | ✔ |  |  |
| 应急上传与后台导入 | ✔ |  |  |
| 第三方下发状态 | ✔ |  |  |
| 数据同步 | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **系统名称** | **主要功能模块（检查点）** | **检查结果** | **问题** | **处理** |
| 2 | 消息中心 | H5界面与管理后台 | ✔ |  |  |
| 消息发送功能 | ✔ |  |  |
| 消息队列状态 | ✔ |  |  |
| 短信额度 | ✔ |  |  |
| 数据同步 | ✔ |  |  |

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| --- | --- | --- | --- | --- | --- |
| **序号** | **系统名称** | **主要功能模块（检查点）** | **检查结果** | **问题** | **处理** |
| 3 | 微门户 | 移动门户状态 | ✔ |  |  |
| 管理端状态 | *✘* | 组织机构相关数据未展示，app版本管理页面不展示数据 | 完成相关问题处理 |
| 上架应用测试 | ✔ |  |  |
| 数据同步 | *✘* | 组织机构相关数据未展示 | 完成相关问题处理 |

4.2 系统运行概况

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **系统名称** | **主要参数** | **检查结果** |
| 1 | 人像平台 | 第三方系统对接数量 | 10 |
| 对接算法数量 | 9 |
| 人员数量 | 44636 |

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **系统名称** | **主要参数** | **检查结果** |
| 2 | 消息中心 | 第三方系统对接数量 | 79 |
| 已发短信 | 52953934 |
| 剩余短信额度 | 66263 |
| 人员数量 | 47115 |

##### 巡检结果

1. 运行环境

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| --- | --- | --- | --- |
| **项目** | **巡检结论** | **问题** | **处理** |
| 系统安全性检查 | 部分异常 | 部分实例发现来自 192.168.98.161 的多次爆破记录 | 已和相关老师确认为安全设备扫描，忽略该问题 |
| 系统资源检查 | 部分异常 | 部分实例系统防火墙未开启 | 开启防火墙可能影响业务运行，未处理，建议使用中间设备防火墙 |
| 192.168.23.2 的运行内存占用超过80% | 检查实例发现为人像java程序应用，占用问题是因为预分配jvm内存占比较大，忽略该问题 |
| 数据库检查 | 部分异常 | 192.168.22.32 的数据库本地备份任务异常 | 该数据库为业务中间库，不做备份处理，忽略该问题 |

1. 运行环境Html巡检报告

|  |  |
| --- | --- |
| 实例IP | Html报告 |
| 192.168.21.87 |  |
| 192.168.21.81 |  |
| 192.168.21.85 |  |
| 192.168.21.95 |  |
| 192.168.21.96 |  |
| 192.168.21.97 |  |
| 192.168.21.126 |  |
| 192.168.21.127 |  |
| 192.168.21.128 |  |
| 192.168.21.75 |  |
| 192.168.21.74 |  |
| 192.168.21.193 |  |
| 192.168.21.194 |  |
| 192.168.22.32 |  |
| 192.168.21.70 |  |
| 192.168.21.192 |  |
| 192.168.23.2 |  |
| 192.168.23.3 |  |
| 192.168.23.4 |  |
| 192.168.23.5 |  |
| 192.168.23.6 |  |
| 192.168.23.57 |  |
| 192.168.23.58 |  |
| 192.168.23.59 |  |

1. 业务系统可用性

|  |  |  |  |
| --- | --- | --- | --- |
| **项目** | **巡检结论** | **问题列表** | **处理** |
| 消息中心 | 正常 |  |  |
| 人像平台 | 正常 |  |  |
| 微门户 | 异常 | 数据同步异常  管理后端组织机构及APP版本管理页面午饭显示数据 | 已处理 |

##### 五、业务运维事项列表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **序号** | **项目名称** | **任务类型** | **问题描述** | **处理方案** | **发现时间** | **处理时间** |
| 1 | 微门户 | 故障恢复 | 资讯数据显示不对 | 同步停了，重新跑同步 | 2024/3/1/10：00 |  |
| 2 | 微门户 | 故障恢复 | 微门户向企业微信推送数据出现bug |  | 2024/2/27/9：00 | 2024/2/27/17：00 |
| 3 | 数据源 | 技术支持 | 数据源梳理 |  |  |  |
| 4 | 消息中心 | 技术支持 | 指导第三方发送消息带图片点击能直接跳转的消息形式 | / | 2024/3/13/16：00 | 2024/3/13/17：00 |
| 5 | 消息中心/签到中心 | 技术支持 | 消息中心与浙中医系统与服务器等保问题处理 | / | 2024/3/21/17:30 | 2024/3/22/18:30 |
| 6 | 微门户 | 数据维护 | 部分学生查看不到小程序中的APP | 跑一次keetle的关于应用权限的脚本 | 2024/3/28/10：00 | 2024/3/28/17:30 |
| 7 | 微门户 | 故障恢复 | 查看不到24年的薪酬数据 |  | 2024/3/28/11：00 | 2024/3/29/15:00 |
| 8 | 人像平台 | 漏洞修复 | 定时任务使用到了dep数据库账户 | 修改当前被锁定的数据账户 | 2024/4/22/10:30 | 2024/4/24/5:30 |
| 9 | 数据中心 | 漏洞修复 | 使用的keetel文件中的数据库账户dep被锁定了 | 使用shell批量替换dep账户以及密码 | 2024/4/24/10:30 | 2024/4/24/5:30 |
| 10 | 微门户 | 故障恢复 | 某些人小程序app权限不显示 | 恢复禁用的标识 | 2024/4/26/9:00 | 2024/4/26/13:30 |
| 11 | 微门户 | 数据维护 | 1、走进校园的删除跳转以点赞人数和浏览量，2、相册管理图片上传失败 | 1、走进校园的删除跳转以点赞人数和浏览量；2、删除表T\_EDU\_SCHOOL\_PHOTOINFO的一个外键 | 2024/4/28/9:30 | 2024/4/28/11:30 |
| 12 | 微门户 | 故障恢复 | 信息查询不好用 | 无法多次变更查询条件 | 2024/6/5 | 2024/6/5/17:30 |
| 13 | 微门户 | 故障恢复 | 门户的校园动态数据停留2023年 | 未找到数据源头，重新写了逻辑 | 2024/6/14/14：00 | 2024/6/18/14：00 |

##### 六、系统运维统计报告





##### 七、优化建议

系统运行环境状态良好，未发现安全与性能问题；

业务系统中发现两个异常问题，都已标记故障交给运维报障处理：

* 数据同步异常：组织机构相关数据未展示；
* 管理端与H5页面：管理后端组织机构及APP版本管理页面午饭显示数据异常；