

[Sentinel Monitor project]

SentinelWidget

Technology Overview

Lőrincz Zoltán
2013.06.20.

Contents

- Review 2
- Communication..... 2
- HTML content format 2
- Cooperating servers 2
- Configuration 2
 - System 2
 - Network..... 2
 - Sentinel..... 3
- Security..... 3
- Demo 3
- Screenshots..... 4
 - Widget 4
 - Main 1 (BACKUP) 5
 - Main 2 (SERVICE) 5
 - Main 3 (PROGRAM) 5
 - Main 4 (PING)..... 6

Review

The Sentinel Widget Android application used for monitoring Sentinel Monitor Server events. This events „coming” from your windows and linux servers using DOS BATCH and Linux BASH scripts. You can send fully customizable events. (partner, service, group, name, etc.)

Communication

HTTP protocol

HTML content format

```
XML 1.0 (<?xml version="1.0" encoding="UTF-8"?>)
```

Cooperating servers

- Apache+PHP
- Apex Portal

Configuration

System

- Demo (testing application with demo data)
- System Debug (debugging application to file and logcat)
- HTTP communication debug (debugging http communication to file and logcat)
- HTTP encryption (using AES encryption while downloading data)
- Scheduled refresh (Use automatic scheduled refresh)
- Scheduled refresh interval (Automatic sceduled refresh time interval)

Network

- Server (Sentinel web server host name or ip)

- Port (Sentinel web server port)
- URL extension (subdir)
- Program (Sentinel program, GetStatus.php)
- Using BASIC authentication (Using authentication while downloading data)
- Username (Username for web server BASIC authentication)
- Password (Password for web server BASIC authentication)

Sentinel

- Partner ID
- Permission code

Security

- Possible to use SSL on Apache web server (HTTPS)
- Sentinel web server Authentication (BASIC)
- HTTP traffic encryption (AES)
- Application based password authentication

Demo

- The application will default to demo data without an internet connection.

Screenshots

Widget



Main 1 (BACKUP)

Category	Status
FIREWALL_FILES	OK
2013.06.12. 11:11:11	OK
WEB_FILES	ERROR (-3)
2013.06.12. 11:11:11	OK
WEB_MYSQL	OK
2013.06.12. 11:11:11	OK
SERVER1_ORA	OK
2013.06.12. 11:11:11	OK
MAIL_MYSQL	LATE
2013.06.12. 11:11:11	OK

Main 2 (SERVICE)

Category	Status
IP_CHECKER	OK
2013.06.12. 11:11:11	OK
TEMP_CHECK	ERROR (42)
2013.06.12. 11:11:11	CAUTION
SMS_SERVICE	OK
2013.01.01. 01:01:01	OK

Main 3 (PROGRAM)

Category	Status
CALC	PROCESSING
2013.06.12. 11:11:11	Status: 13/100

Main 4 (PING)

