

**XYZ Company**

**Project 2**  
**RWPA Phase 2:**  
**Reader-Writer Process Application Phase 2 Software Product Manual**  
**26.11.2012**  
**Revision 2.1**

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## Revision History

Revision	Date	Explanation
1.0	05.11.2012	Initial manual
2.1	26.11.2012	Code implementations prior to Korkmaz-P2-RWPA-Phase2-DSD-2012-11-26-Rev-2.1 2.1.1 New fields added for config file

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## 1. Introduction

The purpose of this software product manual is to document the implementation, testing and operation of RWPA: Reader-Writer Process Application as a software product.

As a job, threads encrypt and decrypt some random data.

RWPA Application is implemented and tested as it is described in RWPA Application Design Specification Document, Revision 2.1. Implementation, testing and operation details are given in the following sections of this document.

## 2. Implementation

### 2.1. Source Code

Available through SWE 573 RWPA2.zip

#### 2.1.1 config.rwpa (example)

Bytecount must be bigger than 200 and format must be  $(x*16)+39$

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <appSettings>
    <add key="readersNumber" value="5"/>
    <add key="writersNumber" value="5"/>
    <add key="delayN" value="50"/>
    <add key="delayM" value="50"/>
    <add key="demoLength" value="5"/>
    <add key="byteCount" value="295"/>
    <add key="recordCount" value="5"/>
  </appSettings>
</configuration>
```

### 2.2. Software Tools

Project is coded with Microsoft Visual Studio 2012, with framework .net 2.0.

### 2.3. Platform

Any modern x86 or x64 windows 7 running pc with .net 2.0 framework installed is expected to run this program.

## 3. Testing

Details of module and system integration test cases

## 4. Application Installation, Configuration and Operation

- The application starts with SWE 573 RWPA.exe and runs for 5 minutes for demo.

## References

1. Korkmaz-P2-RWPA-Phase2-DSD-2012-11-26-Rev-2.1