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|  | **Proposal to the**  **Office of Systems Integration (OSI)**  **Request for Information (RFI) #75001**  **For**  **Agile Development Pre-Qualified (ADPQ) Vendor Pool**  **Continous Monitoring**  **June 4th , 2016** |

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*Strategy! Innovation! Transformstion!*

Revision History

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| --- | --- | --- | --- |
| Version | Date | Description of Updates | Author |
| 1 | 06/04/2016 | Created the Initial Verson | xFusion |
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# Introduction

xFusion’s development, maintenance and operations include continually monitoring preventive and detective controls using industry standard tools. For our products we use the Amazon Web Services (AWS) environment for te hosting and operation, thus heavily using the tools that AWS provides. On the top of that we follow the National Institute of Standards and Technology (NIST) Publication 800-37 reccomended controls, which include:

* Configuration Management
* Security Impact Analysis on Changes
* Assessment of Security Controls
* Security Status Reporting
* Active Management of Security Risks

# Continuous Monitoring

xFusion uses the AWSConfig and AWSCloudtrail provided by AWS for continuous monitoring of the SafeKids application. This monitoring includes:

* Management of the vulnerability, configuration, and IT assets.
* Real time visibility into the system security posture through regular monitoring
* Security metrics through AWSConfig Reporting.
* Threat intelligence through alerts and visibility using AWSCloudtrail Reporting
* Intrusion Detection

The AWS tools provide monitoring and prevention of inappropriate or unauthorized changes to the security baseline.

# Initial Configuration

The initial baseline for the SafeKids application was creaed using the AWSEBS and other support tools in the EC2 environment, which provided recommendations for our product development team to implement based on best practice results. Our team also did an inventory analysis to verify:

* Running instances
* Storage used
* Identity and Access Management (IAM) groups and users
* Hosted zones and health checks