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|  |  |  |  | BStar | |
|  | Product Requirement Document | | |
|  | Doc Rev  <Rev> — <Modify Date> | |  |

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| Document information | |
| Info | Content |
| Author | John Le |
| Author Role | <> |
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| 0.1 |  | Initial draft | John Le |
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# Document purpose

## Purpose

## Target Audience

The document is meant for developers, software architects of the 3rd parties who want to register their devices to

## Reference

# Current Infrastructure System

## Host Locations

In 3 main zones:

+ AWS in EC2

+ Akamai

+ Sakura Internet

## OS Types

- Linux:

as Ubuntu, Almalinux

- Windows:

all are Enterprise Server? Which Version (#TBA)

## Central User Management System

- For Windows Instances: do they have AD? (#TBA)

- For Linux: do they also use the above AD if they have? (#TBA)

## Remote Access Interface

A lot of Linux instances have Static Public IP with SSH Port open. So the user can direct remote access to the Server without any VPN? ( #TBA)

For Windows what is the way to remote access? SSH or require RDP (#TBA)

## Domains and SSL Certificates

Use a mix of different SSL Certificate Providers ( some use wildcard, some not):

* Letsencrypt 🡪 fxsignup.com
* Sectigo 🡪 fxplus.com
* Cloudflare via Cloudflare Proxy 🡪 mediamarket.jp, p2t.sg, tfx.fxsignup.com
* AWS LB 🡪 portal.fxon.com
* Self-signed: svlin25.fxt.com 🡪 fxon.com

- Cloudflare via CloudFlare Proxy

## Internal Services

MySQL via AWS Aurora and self-hosted on VPC

Redis via self-hosted on VPC

## Infrastructure Monitoring System

Dont mention but prefer using Graphite (<https://graphiteapp.org/>) or Nagios ( <https://www.nagios.org/> )

# Current Pain Points

There are 3 main critical issues:

* Centralize User Remote Access and Auditing
* Centralize SSL Certificates Management ( check status, auto renew (#TBA) )
* Centralize Infrastructure Monitoring

# Goals and Successful Metrics

# Core Assumptions

# Product Specifications

1. Centralize Infrastructure Monitoring
2. Centralize User Remote Access (provisioning, editing). Provide basic Audit (Time/Location/User)

# Milestones

# Out of Scopes

|  |  |  |
| --- | --- | --- |
| Idx | Items | Approved |
| 1 | No Monitoring Dashboard Implementation |  |
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# Open Questions and Answers (From Bstar)

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| --- | --- | --- |
| Idx | Questions | Answers |
| 1 | Do you have an AD to manage user? If yes, can it be used for both Windows and Linux, or different or None at all?  Can you help to describe current User Provision ( Add new user, Remove Leaving Staff)? |  |
| 2 | With so many SSL Certificate Providers, what is your current way to manage them?  Are they coming from end customer or project by project?  Who is responsible to manage them? Any alert mechanism once the cert expired? |  |
| 3 | What are your current ways for remote access ( For Linux, For Windows)? Any security item we need to note before implementing?  For example:  - Are we allow to install service/app to any Instance? |  |
| 4 | You mentioned about you need a way to remote control the MySQL DB with UI?  Any specific requirement? Can something like mysqlphpadmin enough? Or you want any generic DB Client? |  |
| 5 | Do you have any current Infrastructure Monitoring Tool in your system?  Are you familiar with any tool to develop/add more Dashboard? |  |
| 6 |  |  |
| 7 |  |  |

# Open Questions and Answers (From Client)

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| --- | --- | --- |
| Idx | Questions | Answers |
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# Acceptance Reviews and Approvals

| Name | Role | Location | Date |
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Acceptees

Approvers

| Name | Role | Location | Date | Signature  (if required) |
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# Document Management

## Abbreviations and terminology

| Abbreviation | Description |
| --- | --- |
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|  |  |

Abbreviations and terminology

## Referenced documents

| Doc ID | Doc Title | Version | Author | Issue Date |
| --- | --- | --- | --- | --- |
|  |  |  |  | <YYYYMMDD> |
|  |  |  |  | <YYYYMMDD> |
|  |  |  |  | <YYYYMMDD> |

Referenced documents

## Distribution

Distribution

| Name | Role | Location |
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