

Project Design Phase-II
Technology Stack (Architecture & Stack)

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|---------------|----------------------------------|
| Date | 10 NOVEMBER 2022 |
| Team ID | PNT2022TMID16393 |
| Project Name | Project – Web Phishing Detection |
| Maximum Marks | 4 Marks |

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

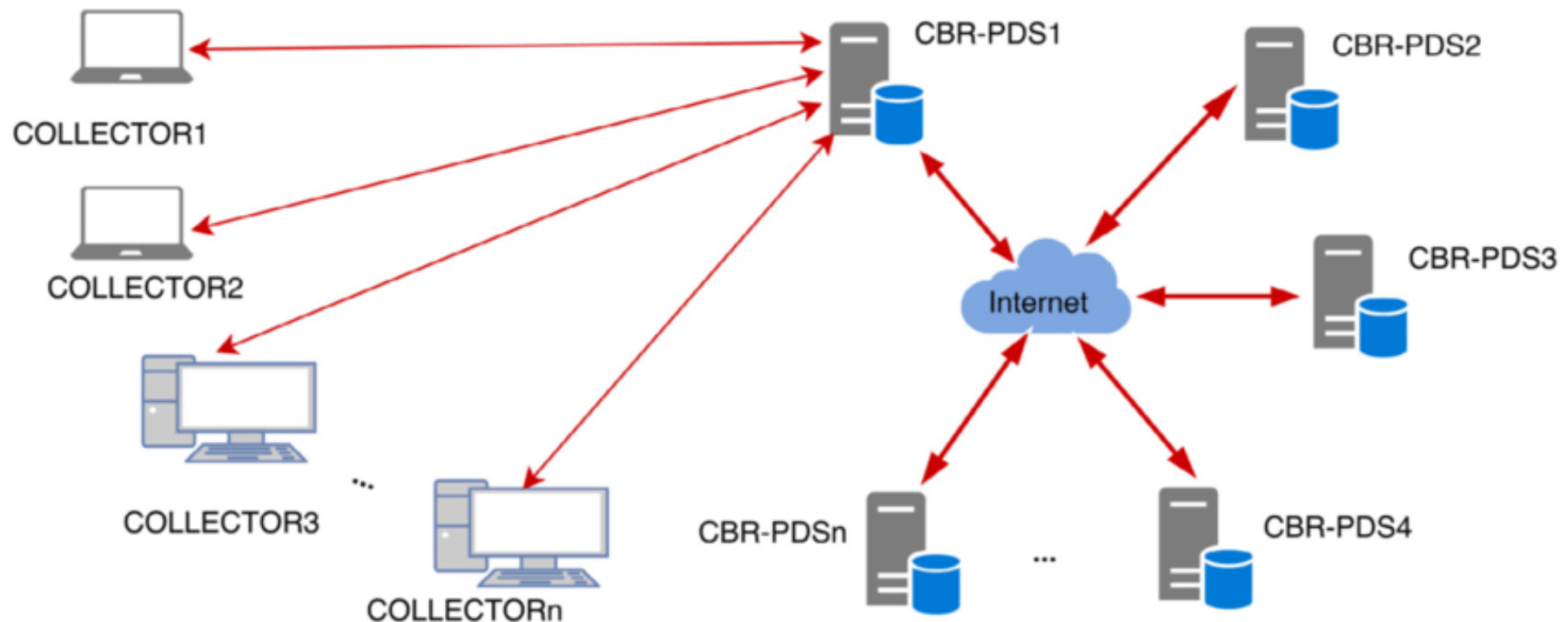


Table-1 : Components & Technologies:

| S.No | Component | Description | Technology |
|------|---------------------|---|--|
| 1. | User Interface | How user interacts with application e.g. Web UI, Mobile App, Chatbot etc. | HTML, CSS, JavaScript / Angular Js / React Js etc. |
| 2. | Application Logic-1 | Logic for a process in the application | Java / Python |
| 3. | Application Logic-2 | Logic for a process in the application | IBM Watson STT service |
| 4. | Application Logic-3 | Logic for a process in the application | IBM Watson Assistant |
| 5. | Database | Data Type, Configurations etc. | MySQL, NoSQL, etc. |
| 6. | Cloud Database | Database Service on Cloud | IBM DB2, IBM Cloudant etc. |
| 7. | File Storage | File storage requirements | IBM Block Storage or Other Storage Service or Local Filesystem |

Table-2: Application Characteristics:

| S.No | Characteristics | Description | Technology |
|------|--------------------------|---|--|
| 1. | Open-Source Frameworks | Gopish is a powerful, open-source phishing framework that makes it easy to test your organization's exposure to phishing. | Machine Learning. |
| 2. | Security Implementations | Our prototype currently includes a C#.Net implementation of a web browser. | Cofense PDR (Phishing Detection and Response) |
| 3. | Scalable Architecture | Scalability is maximum due to accurate estimation. | jQuery, cloud flare, Bootstrap. |
| 4. | Availability | Mostly available methods for detecting phishing attacks are blacklists/whitelists, natural language processing, visual similarity, rules, machine learning techniques | Ghost Phisher, King Phisher. |
| 5. | Performance | We assessed the performance of the phishing classification models employing accuracy, precision, recall and F-score. | Hardware and support systems, software applications. |