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| **DEP Logo** | **Florida Department of**  **Environmental Protection** |
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| **Information Technology Infrastructure Environment Specification**  **06/21/2017** | |

# Purpose

This document specifies the enterprise information technology products currently supported at Department of Environmental Protection (DEP).

# Technology Tool Version

Every effort is made to ensure that the versions of the technology used at DEP are current versions to date and stable. Therefore the versions noted in the tables below may have changed since the publication of this specification. It is incumbent on the manager and developer to check the current version of technology in use.

# Deviation from Use

The technologies not specified in this document must be approved by the DEP Chief Information Officer in writing and documented in any associated project and contract documentation.

| Information Protection | | |
| --- | --- | --- |
| Technology | Product | Remarks |
| **Virtual Desktop Technology** | Windows Server 2012 Remote Connectivity Service | Windows Virtual PC |

| Information Management & Distribution | | |
| --- | --- | --- |
| Technology | Product | Remarks |
| **Relational Database Management Systems** | Oracle 12c | Enterprise and large-scale systems with high capacity, complex design and/or high volume transactional requirements.  Data Warehousing and Reporting |
| **Database Access** | Oracle SQL Developer  Toad for Oracle |  |
| **Document Management** | Oculus | http://www.oculusnet.com/ |
| **Build Environment** | Maven 3  Jenkins  GitLab 9 |  |
| **Source Control** | Git 1.8 |  |
| **Coding Standards Verification** | Checkstyle |  |
| **Integrated Development Environment (IDE)** | IntelliJ 2017 WebLogic 12c Infra Oracle SQL Developer TOAD for Oracle Oracle Forms Developer  Oracle SQL Developer Data Modeler Crystal Reports Designer 2013 (SP5) |  |
| **Geographic Information System (GIS) and Web Mapping** | ArcGIS Desktop versions 10.3.1 or higher | Department Standard for desktop GIS viewing and editing |
| Data Miner | Enterprise GIS Data browsing tool  Written using ArcObjects SDK in C#; Back end web service written in Java, runs in middle tier |
| ArcGIS Pro V 1.4 | ArcGIS Desktop Analysis Application |
| Map Direct Lite V 6 | Lightweight web mapping application |
| OpenData V 2.0 or higher | DEP's geospatial open data site |
| ESRI SDE, ArcGIS V 10.2.2 | ESRI Enterprise GIS database |
| ArcGIS Server V 10.3.1 | ArcGIS Server Software |

| Network Facility and Environment | | |
| --- | --- | --- |
| Technology | Product | Remarks |
| **Directory Service**  **LDAP** | Active Directory | Windows 2010 WorkStation  Windows Server 2012 |
| **Server Operating Systems** | RedHat Linux 64 bit  Microsoft Windows Server 2012 |  |
| **Web Browser** | Edge (v25 or above)  Chrome (v58 or above)  Firefox (v53 or above) |  |