**DEPARTMENT OF THE AIR FORCE**
**WASHINGTON DC**

MEMORANDUM FOR AFAMS

FROM: AF/A3T
Operational Test and Training Infrastructure Division
1480 Air Force Pentagon
Washington DC 20330-1480

SUBJECT: Software Certification for Unity3D Editor Version 2020.x

1. Unity3D Editor Version 2020.x is hereby certified in accordance with (IAW) AFI 17-101 as application software authorized for use within the Operational Test and Training Infrastructure (OTTI) and placed on the OTTI Evaluated/Approved Products List (OTTI E/APL). This certification does not constitute an authorization decision. Prior to use of this application, it shall be added to an authorized system environment. This certification expires three years from the date of the digital signature below and does not apply to subsequent major application revisions. For example, Version 2.x would not be grandfathered under this certification.

2. My decision is based on the validation of test data and artifacts provided by the AFAMS, reviewed by the OTTI Authorizing Official (AO) office and documented in this certification. Any and all ports, protocols, and services (PPS) identified below shall only be used according to DoDI 8551.1, and per the vulnerability assessment report for each PPS. Because Unity3D Editor stores/produces/processes sensitive data, users and/or the local Cybersecurity Liaison shall ensure all Unity3D Editor Version 2020.x controlled unclassified and classified information is protected IAW CJCSI 6510.01. The OTTI Authorizing Official Designated Representative (AODR) confirmed there are no unmitigated Critical nor High Findings and the product presents a low risk to the system or enclave.

3. This certification is for this version only, installed IAW the AFAMS installation instructions. In addition, all applicable Time Compliance Network Orders for this product shall be implemented according to AFI 17-100, Air Force Information Technology (IT) Service Management.

4. Prior to installation and operation within the accredited system environment, the hosting system's Information Systems Security Manager (ISSM) shall be provided with this application risk summary. Using this information, the ISSM shall determine the impact of adding this application software to the hosting system and, IAW AFI 17-101 update the appropriate system accreditation documentation and initiate reauthorization, if required.

5. This certification determination attests to the security posture of the application software itself and not to the operational Cybersecurity (CS) requirements of the mission owner using this software. Many CS controls such as continuity of operations, personnel account access, and hardware upgrades are inherited from the application's host information system. Therefore, prior to installing and using this software, all applicable CS control requirements shall be agreed upon between the mission owner utilizing this application and the owner of the system in which it operates, documented in an agreement and in the hosting system's assessment and authorization package. A list of CS requirements all DoD information systems shall address can be found in DODI 8500.01.

6. Point of contact is Karl Wiers, HAF/A3T, at DSN 970-5817 or via email at karl.a.wiers.civ@mail.mil.

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Digitally signed by WIERS.KARL.ANDREW.1363457866
Date: 2021.09.29 10:58:00 -04'00'

KARL A. WIERS, GS-14, DAF
Air Force OTTI Cybersecurity
OTTI Authorizing Official Designated Representative

**Vulnerabilities for Unity3D Editor Version 2020.x:**

| | |
|---|---|
| **Vulnerability One:** | N/A |
| **CVE Affected:** | |
| **Note:** | |
| **Severity Category:** | |
| **Mitigating Factors:** | |

**Unity3D Editor Version 2020.x Testing Checklist:**

| **1. Desktop Review** | **Yes** | **No** | **N/A** | **Comments** |
|---|---|---|---|---|
| 1.1 Does the application process, produce, or store sensitive data (e.g., Classified, Privacy Act, HIPAA, etc.)? | | X | | |
| 1.2 Is the application developed/controlled by a foreign country? | | X | | Unity Technologies<br>30 3rd St, San Francisco, CA 94103 |
| 1.3 Is the application vendor listed as an exclusion on System for Award Management (SAM)? | | X | | |
| 1.4 Is the request for an older version of the product? | | X | | |
| 1.5 Are there hardware/software requirements not provided by the current ITCC Buying Standards and the SDC (e.g., License Dongle, sound/video card, RAM; OS, perl, SQL server, etc.) that are required for the application to run? (Current buying standards: https://go.usa.gov/xQ3Cc) | | X | | |
| 1.6 Does the application require extra configuration steps or permissions to execute (e.g., manually creating directories or files, setting up another application to run, etc.)? | | X | | |
| 1.7 Is this an IA or IA-enabled product? | | X | | |

| 2. Documentation Review | Yes | No | N/A | Comments |
|---|---|---|---|---|
| 2.1 Does the documentation provide clear guidance for installing and configuring the application? | X | | | |
| 2.2 Are dedicated personnel required to operate and/or maintain (vs. simply using the product in process/analyze/transfer data, etc.)? | | X | | |

| 3. Source Code Analysis Review | Yes | No | N/A | Comments |
|---|---|---|---|---|
| 3.1 What risk overlay was used? | | | | Desktop Application |
| 3.2 Were CRITICAL vulnerabilities found that were unable to be mitigated? | | | | |
| 3.3 Were HIGH vulnerabilities found that were unable to be mitigated? | | | | |

| 4. Application Operation Review | Yes | No | N/A | Comments |
|---|---|---|---|---|
| 4.1 Does the application produce any files? | X | | | .anim .app .asset .bundle .dll .exe .gen .guiskin .json .log .mat .mdb .meta .obj .pdb .prefab .preset .tmp .txt .unity .uss .wlt .xml .xsd |
| 4.2 Are there credentials associated with the application? | | X | | |
| 4.2.1 Are these credentials configurable? | | | X | |
| 4.2.2 How are these credentials protected? | | | X | |
| 4.3 Does the application provide encryption of data (data at rest)? | | X | | |
| 4.4 Does the application include a Software Improvement Program which automatically sends various types of information back to the Vendor? | X | | | |
| 4.5 Does the application use cloud services? | X | | | Configurable |
| 4.6 Does the application provide automatic updates/user configurable updates? | X | | | User configurable updates are available. |

| 5. Application Network Traffic Review | Yes | No | N/A | Comments |
|---|---|---|---|---|
| 5.1 Are all of the ports, protocols, and services (PPS) identified below being used according to DoDI 8551.01 and per the vulnerability assessment report for each PPS? This applies regardless of whether or not the PPS in use crosses any type of network boundary. | X | | | |

**Table 5.1 PPS Table**

| Description and Purpose | Port/ Protocol/ Data Service | Source Device(s) or Server Name | Destination Device(s) or Server Name (Listens for Connection) | Local Service Only? |
|---|---|---|---|---|
| Check for updates | 443/https | Unity Editor | https://updatecheck.unity3d.com /cgi-bin/updatecheck.cgi | No |
| Submit bug to Unity | 443/https postdata | Unity Editor | https://editorbugs.unity3d.com/submit_bug_api.cgi | No |
| Submit crash report to Unity | 443/https postdata | Unity Crashreporter | https://crashes-collector.unity3d.com | No |
| Handle Licensing | 443/https postdata | Unity Editor | https://api.unity.com<br>https://license.unity3d.com<br>https://activation.unity3d.com<br>https://id.unity.com | No |

| 6. Application Configuration Review | Yes | No | N/A | Comments |
|---|---|---|---|---|
| 6.1 Does the application employ use of mobile code technology? | X | | | Use of mobile code shall comply with the requirements of the Application Security and Development STIG and NIST SP-800-28 v2 before installation. |
| 6.2 Does the software application incorporate Open Source Software, either as a direct OSS product or through the use of other OSS products? | X | | | |
| 6.3 Does the application install any additional software (e.g., browser plug-ins, toolbars, SQL servers, etc.)? | | X | | |
| 6.4 Does the additional software have any known HIGH vulnerabilities? | | X | | |
| 6.5 What process name does the application execute under? | | | | Unity<br>Additional processes:<br>UnityPackageManager<br>Unity Hub Helper<br>Unity Hub<br>Unity.Licensing.Client |
| 6.6 Does the application install, modify, or remove a service? | | X | | |
| 6.6.1 Describe any network operations with which the service is associated. | | | X | |