



**ASSURANCE CONTINUITY MAINTENANCE REPORT FOR  
CertAgent v7.0 patch level 9**

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**Maintenance Update of CertAgent v7.0 Patch Level 9**

**Maintenance Report Number:** CCEVS-VR-VID11180-2023-2

**Date of Activity:** August 2, 2023

**References:**

- Common Criteria Evaluation and Validation Scheme Publication #6, Assurance Continuity: Guidance for Maintenance and Re-evaluation, version 2.0, 8 September 2008.
- CertAgent Impact Analysis Report for Common Criteria Assurance Maintenance Update from Version 7.0 patch level 9.6 to Version 7.0 patch level 9.9, v1.0.0, 28 July 2023.
- Protection Profile for Certification Authorities, version 2.1 [PP\_CA\_V2.1]

**Documentation updated:**

Evidence Identification	Effect on Evidence/ Description of Changes
<p><b>Security Target:</b></p> <ul style="list-style-type: none"> <li>• CertAgent Security Target for Common Criteria Evaluation, version 4.3.2, 8 April 2022</li> </ul>	<p><b>Maintained Security Target:</b></p> <ul style="list-style-type: none"> <li>• CertAgent Security Target for Common Criteria Evaluation, version 4.3.3, July 28, 2023</li> </ul> <p>Changes in the maintained ST are:</p> <ul style="list-style-type: none"> <li>• Version number of TOE changed from</li> <li>• Version 7.0 patch level 9.6 to Version 7.0 patch level 9.9</li> <li>• Updated the TOE documentation references</li> </ul>

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<b>Common Criteria Guidance Documentation</b>	<b>Maintained Common Criteria Guidance documentation:</b>
<ul style="list-style-type: none"><li>• CertAgent Guidance for Common Criteria Evaluation, version 2.7.1, April 7, 2022</li><li>• CertAgent Installation, Configuration and Management Guide, version 7.0, April 6, 2022</li><li>• CertAgent Administrator Guide, version 7.0, April 4, 2022</li><li>• CertAgent Certificate Authority Guide, version 7.0, April 4, 2022</li><li>• CertAgent Public Site Guide, version 7.0, April 4, 2022</li><li>• CertAgent Release Notes, version 7.0.9.6, April 4, 2022</li></ul>	<ul style="list-style-type: none"><li>• CertAgent Guidance for Common Criteria Evaluation, version 2.7.2, July 26, 2023</li><li>• CertAgent Installation, Configuration and Management Guide, version 7.0, July 26, 2023</li><li>• CertAgent Administrator Guide, version 7.0, July 26, 2023</li><li>• CertAgent Certificate Authority Guide, version 7.0, July 26, 2023</li><li>• CertAgent Public Site Guide, version 7.0, July 26, 2023</li><li>• CertAgent Release Notes, version 7.0.9.9, July 26, 2023</li></ul>
	<p>Changes in the maintained Guidance are:</p> <ul style="list-style-type: none"><li>• Version 7.0 patch level 9.6 to Version 7.0 patch level 9.9</li><li>• Version of Apache Tomcat updated to 8.5.91 from 8.5.73</li><li>• Version number of document changed to 2.7.2.</li><li>• All the changes documented in this report corresponding to the updates to the TOE.</li></ul>

**Assurance Continuity Maintenance Report:**

Information Security Corporation, submitted an Impact Analysis Report (IAR) to the Common Criteria Evaluation Validation Scheme (CCEVS) for approval on July 28,2023. The IAR is intended to satisfy requirements outlined in Common Criteria Evaluation and Validation Scheme Publication #6, Assurance Continuity: Guidance for Maintenance and Re-evaluation, version 2.0. In

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accordance with those requirements, the IAR describes the changes made to the maintained TOE, the evidence updated because of the changes, and the security impact of the changes.

The evaluation evidence consists of the Security Target, the CC Compliance Guide, guidance documentation and the Impact Analysis Report (IAR) . The ST and guidance documentation were updated, the IAR documented the changes from the previously maintained version of the TOE ( Version 7.0 patch level 9.6) to the updated TOE(Version 7.0 patch level 9.9).

**Changes to TOE:**

For this Assurance Continuity, the version number of TOE changed from Version 7.0 patch level 6.0 to Version 7.0 patch level 9.9. The following paragraphs list the minor software changes made to the TOE during the maintenance cycle.

**Software Changes**

The developer reported the new features/changes to the product located in the table below:

<p>Apache Tomcat has been updated from version 8.5.73 to version 8.5.91 to address published vulnerabilities and defects.</p> <ul style="list-style-type: none"><li>• <b>Impact: Minor</b></li><li>• <b>Rationale: The update was performed to address the vulnerabilities associated with the version of the software in the product</b></li></ul>
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**Changes to Evaluation Documents:**

The AGD document named “CertAgent Guidance for Common Criteria Evaluation” has been updated to version 2.7.2, July 26, 2023.

The Security Target document named “CertAgent Security Target for Common Criteria Evaluation” has been updated to version 4.3.3, July 28, 2023.

**Regression Testing:**

In addition to the vendor performing vulnerability analysis, functional regression testing was also performed against the updated TOE to ensure the TOE functionality is maintained and that the source code is fit for use. This functional testing included verification that any newly introduced feature does not affect the security functionality previously tested and verified. This testing ensured that the functionality claimed within the Security Target has not been impacted by any software changes made to the product between releases.

For instances when security related bugs or general defects were identified, the vendor performed specific testing on the updates to ensure that the identified behavior is no longer present within the TOE and the TOE operates as expected.

**NIST CAVP Certificates:**

No changes to the CAVP certificates from the previously evaluated version of the TOE.

**Vulnerability Analysis:**

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On July 27, 2023 ISC performed a vulnerability assessment on the libraries used by the maintained and changed TOE using the following resources:

- CVE Program  
[https://cve.mitre.org/cve/search\\_cve\\_list.html](https://cve.mitre.org/cve/search_cve_list.html)
- Apache Tomcat 8.x vulnerabilities:  
<https://tomcat.apache.org/security-8.html>

The following search terms were used:

- Apache Tomcat 8
- Acalashim
- Apache Log4j2
- CDK
- gson
- jQuery 3.5
- jQuery UI

Vulnerability analysis included search of vulnerabilities applicable to the TOE and all the third-party software included as part of the TOE. The issues found were either for those where fixes have been applied in the updated TOE, or were related to other products, and not applicable to the TOE. Additionally, the validation team noted that the list of search terms did not include the name of the product as one of the key words and performed an independent search for vulnerabilities in the sources listed above using “CertAgent” as the search criteria. The search did not result in any applicable entries.

### **Conclusion:**

CCEVS reviewed the description of the changes and the analysis of the impact upon security and found them all to be minor. No functionality, as defined in the SFRs, was impacted, and none of the software updates affected the security functionality or the SFRs identified in the Security Target. Therefore, CCEVS agrees that the original assurance is maintained for the product.