

Foreman - Bug #12458

Facts search vulnerable to SQL injection

11/12/2015 11:04 AM - Dominic Cleal

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|---|---------------------------------|
| Status: Closed | |
| Priority: Normal | |
| Assignee: Dominic Cleal | |
| Category: Security | |
| Target version: 1.10.0 | |
| Difficulty: | Fixed in Releases: |
| Triaged: | Found in Releases: |
| Bugzilla link: | Red Hat JIRA: |
| Pull request: https://github.com/theforeman/foreman/pull/2908 | |
| Description | |
| <p>The search for facts and also hosts by facts is vulnerable to SQL injection by breaking out of quotes in either the fact name or the fact value.</p> <p>Hosts search term: facts.bobby'tables = test</p> <pre>SQLite3::SQLException: near "tables": syntax error: SELECT "hosts".* FROM "hosts" INNER JOIN fact_values fact_values_66 ON (hosts.id = fact_values_66.host_id) INNER JOIN fact_names fact_names_66 ON (fact_names_66.id = fact_values_66.fact_name_id) WHERE "hosts"."type" IN ('Host::Managed') AND ((fact_names_66.name = 'bobby'tables' AND fact_values_66.value = 'test')) ORDER BY "hosts"."name" ASC LIMIT 40 OFFSET 0</pre> <p>Hosts search term: facts.test = a'b</p> <pre>SQLite3::SQLException: near "b": syntax error: SELECT "hosts".* FROM "hosts" INNER JOIN fact_values fact_values_62 ON (hosts.id = fact_values_62.host_id) INNER JOIN fact_names fact_names_62 ON (fact_names_62.id = fact_values_62.fact_name_id) WHERE "hosts"."type" IN ('Host::Managed') AND ((fact_names_62.name = 'test' AND fact_values_62.value = 'a'b')) ORDER BY "hosts"."name" ASC LIMIT 40 OFFSET 0</pre> <p>The host search by facts mechanism was extended in #11150 to support integer comparisons, and in the process the custom SQL that was added doesn't escape non-integer values when it constructs the query.</p> <p>This was added in Foreman 1.10.0, so only the current release candidates are affected.</p> <p>CVE identifier requested.</p> | |
| Related issues: | |
| Related to Foreman - Feature #11150: Allow searching of facts as types other ... | Closed 07/19/2015 |

Associated revisions

Revision b08ec33d - 11/13/2015 05:47 AM - Dominic Cleal

fixes #12458 - escape values in fact searches to prevent SQL injection

Revision 72eac09d - 11/16/2015 09:30 AM - Dominic Cleal

fixes #12458 - escape values in fact searches to prevent SQL injection

(cherry picked from commit b08ec33dbb1e12db65bc0bde755e657a940531c1)

History

#1 - 11/12/2015 11:04 AM - Dominic Cleal

- Related to Feature #11150: Allow searching of facts as types other than string added

#2 - 11/12/2015 11:42 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request <https://github.com/foreman/foreman/pull/2908> added

#3 - 11/13/2015 03:14 AM - Dominic Cleal

CVE identifier requested.

This won't be assigned as the software is pre-release.

#4 - 11/13/2015 06:01 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [b08ec33dbb1e12db65bc0bde755e657a940531c1](#).