Item 284
**git_comments:**

**git_commits:**

1. **summary:** Merge pull request #643 from yatsukhnenko/TS-4443
   **message:** Merge pull request #643 from yatsukhnenko/TS-4443 [TS-4443] regex_remap: fix $i substitution This makes this feature actually work. Review: leif.

**github_issues:**

**github_issues_comments:**

**github_pulls:**

1. **title:** [TS-4443] regex_remap: fix $i substitution
   **body:**

**github_pulls_comments:**

1. Yep, this looks much better. I'll do another round of reviews in a little bit. [approve ci] Thanks!
2. Can one of the admins verify this patch? Only approve PRs which have been reviewed.
3. I ran the CI on this, unfortunately the patch does not format with clang-format. See e.g. https://ci.trafficserver.apache.org/view/github/job/Github-Linux/74/console
4. **body:** One more thing: This seems to only be for IPv4. I think we should support both v4 and v6, so in addition to the code that is here to be modified for IPv6, we also have to bump up the max length accordingly. I'd be fine with just bumping it up to 39, or 46, or perhaps INET6_ADDRSTRLEN (is that cross platform) ?). E.g. ``` diff --git a/plugins/regex_remap/regex_remap.cc b/plugins/regex_remap/regex_remap.cc index ad973ce..4ef0daf 100644 --- a/plugins/regex_remap/regex_remap.cc +++ b/plugins/regex_remap/regex_remap.cc @@ -532,7 +532,7 @@ RemapRegex::get_lengths(const int ovector[], int lengths[], TSRemapRequestInfo * len += req_url->matrix_len; break; case SUB_CLIENT_IP: - len += 15; // Allow for 255.255.255.255 + len += INET6_ADDRSTRLEN; /* is this cross platform? */ break; default: break; ```
   **label:** code-design
5. In addition to INET6_ADDRSTRLEN I think we should use inet_ntop instead of inet_ntoa
6. Yep, that was the first portion of my reply :).
7. If you don't mind using internal APIs, use `ats_ip_ntop` from `ink_inet.h`.
8. Since this is a "core" plugin, ats_ip_ntop() ought to be fine. It doesn't require anything other than C++ and the #include file, right? @jpeach We probably need to document these things somewhere, explaining that using lib/ts from plugins is fine ?
9. done
10. looks good to me, passes CI build tests on Linux/FBSD.

**github_pulls_reviews:**

**jira_issues:**

1. **summary:** regex_remap: fix $i substitution
   **description:** GitHub #635

**jira_issues_comments:**

1. Github user yatsukhnenko commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-219503130 In addition to INET6_ADDRSTRLEN I think we should use inet_ntop instead of inet_ntoa
2. Github user zwoop commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-219507130 Yep, that was the first portion of my reply :).
3. Github user jpeach commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-219523907 If you don't mind using

internal APIs, use ``ats_ip_ntop`` from ``ink_inet.h``.

4. Github user zwoop commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-219728080 Since this is a "core" plugin, ats_ip_ntop() ought to be fine. It doesn't require anything other than C++ and the #include file, right? @jpeach We probably need to document these things somewhere, explaining that using lib/ts from plugins is fine ?

5. Github user yatsukhnenko commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-219967991 done

6. Github user zwoop commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-220376270 .

7. Github user yatsukhnenko commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-220377419 You had to say [approve ci] 😉

8. Github user zwoop commented on the pull request: https://github.com/apache/trafficserver/pull/643#issuecomment-220634880 looks good to me, passes CI build tests on Linux/FBSD.

9. Github user zwoop closed the pull request at: https://github.com/apache/trafficserver/pull/643

10. Commit a504f198a6c7650248272483af23bef887b528cd in trafficserver's branch refs/heads/master from [~yatsukhnenko] [ https://git-wip-us.apache.org/repos/asf?p=trafficserver.git;h=a504f19 ] [TS-4443] regex_remap: fix $i substitution

11. Commit ceb2a5114d011b1b95f811e2083cc0649b183f93 in trafficserver's branch refs/heads/master from [~zwoop] [ https://git-wip-us.apache.org/repos/asf?p=trafficserver.git;h=ceb2a51 ] Merge pull request #643 from yatsukhnenko/TS-4443 [TS-4443] regex_remap: fix $i substitution This makes this feature actually work. Review: leif.

12. Commit ceb2a5114d011b1b95f811e2083cc0649b183f93 in trafficserver's branch refs/heads/master from [~zwoop] [ https://git-wip-us.apache.org/repos/asf?p=trafficserver.git;h=ceb2a51 ] Merge pull request #643 from yatsukhnenko/TS-4443 [TS-4443] regex_remap: fix $i substitution This makes this feature actually work. Review: leif.