

Item 61

**git\_comments:**

**git\_commits:**

1. **summary:** LUCENE-8552: Optimize getMergedFieldInfos for zero or one segment  
**message:** LUCENE-8552: Optimize getMergedFieldInfos for zero or one segment

**github\_issues:**

**github\_issues\_comments:**

**github\_pulls:**

**github\_pulls\_comments:**

**github\_pulls\_reviews:**

**jira\_issues:**

1. **summary:** optimize getMergedFieldInfos for one-segment FieldInfos  
**description:** FieldInfos.getMergedFieldInfos could trivially return the FieldInfos of the first and only LeafReader if there is only one LeafReader. Also... if there is more than one LeafReader, and if FieldInfos & FieldInfo implemented equals() & hashCode() (including a cached hashCode), maybe we could also call equals() iterating through the FieldInfos to see if we should bother adding it to the FieldInfos.Builder? Admittedly this is speculative; may not be worth the bother.

**jira\_issues\_comments:**

1. Hi, I'd like to work on this one.
2. Is the underlying idea to limit the number of {{FieldInfo}} instances added to the {{FieldInfos.Builder}} for performances purpose?
3. **body:** I'm glad you wish to contribute Christophe! The intent is merely to recognize that there might be nothing to merge (<= 1 LeafReader). No new FieldInfos (or FieldInfo) need to be created. If zero LeafReaders then we can return FieldInfos.EMPTY -- a recent addition. {{FieldInfos.Builder}} takes {{FieldInfo}} not {{FieldInfos}}; maybe this was a typo on your part. I propose ignoring the 2nd part of my description concerning equals/hashCode.  
**label:** documentation
4. Thanks a lot [~dsmiley]! I'll come back to you as soon as I have a patch.
5. Hi [~dsmiley], I've opened PR [#8552|https://github.com/apache/lucene-solr/pull/499] on GitHub to implement this feature.
6. Commit db9542526ecc742234bff77d609a0f7071a78b46 in lucene-solr's branch refs/heads/master from [~cbismuth] [ https://git-wip-us.apache.org/repos/asf?p=lucene-solr.git;h=db95425 ] LUCENE-8552: Optimize getMergedFieldInfos for zero or one segment
7. Commit 0ed5cd5c3f97775567696f473579d0ad0623d749 in lucene-solr's branch refs/heads/branch\_7x from [~cbismuth] [ https://git-wip-us.apache.org/repos/asf?p=lucene-solr.git;h=0ed5cd5 ] LUCENE-8552: Optimize getMergedFieldInfos for zero or one segment Closes #499 (cherry picked from commit db9542526ecc742234bff77d609a0f7071a78b46)
8. Thanks for contributing!
9. Thank you for your help [~dsmiley] (y)