

A Webinar on
**Healthcare IT: Role of EDI in Affordable Care
Act Reforms**
19th February 2014



Question and Answers

Q: With reference to accessing huge data sets, can solr be used for real-time analytics and summary reports?

Definitely solr is not used in the system architecture for reporting requirements. During session I covered only limited section of architecture, focused on using HBase and Solr together. We have also used Map-Reduce Jobs with Hadoop for implementing real time analytics and summary report requirements. As summary calculation is more resource intensive as well as lookup is not based on user query, M-R jobs has been implemented.

Q: In case of multiple validations, can you share some more details on handling of member and provider validations in distributed processing?

In a way, validations of this type are different from typical data validation which is implemented using hard coded or pluggable logic. In other words these data validations are based on lookup of other data records like member or provider details. In such cases lookup will have its impact on overall operation even if it's running from multiple nodes. In order to simplify and avoid any impact on performance, in memory computing is leveraged. Necessary member and provider information is available in memory so lookup need not hit database for such validations.

Q: Can you share some more details on tools and technology options available for rule management, e.g. what are options other than excel format?

In addition to excel based decision tables, there are BRMS i.e. business rule management solutions available. BRMS basically is a platform which provides a way to store/version business rules in rule repository and also provides web based user interface for defining business rule. Rules can be created using step by step wizard based mechanism, which is next level simplification from excel format for users.

Q. Will you post the recording or presentation slides of this webinar?

Yes, you can view the recording and presentation slides of the webinar by visiting this link:
<http://www.harbinger-systems.com/landing-page/healthcare-it-role-of-edi-in-affordable-care-act-reforms>



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hsplinfo@harbingergroup.com

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