



Fig 2 the overall solution architecture diagram of fault management

IV. CONCLUSION

According to the characteristics of alarm data and the alarm spread in SDH system, and the existence of various shortcomings of the classical algorithm, we presents the FP-Growth of non-temporal association rule mining algorithm. The algorithm only scans the database twice, and does not produce candidate sets, with a clear performance advantage. It can save a lot of time and improve efficiency in the implementation, especially when we face large databases. In the implementation process of the FP-Growth algorithm, we join relationship between network topology in the data conversion as a constraint. This step makes the final results conform to the actual correlation, avoid generates a lot of redundancy and meaningless rules, and improves the timeliness and accuracy of the results in the process of alarm association rule mining.

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