iTeam has recently developed a new tool called “B1 Object Compare”.

**Background:**

For the years passed, more and more companies are aware the importance of Cloud. For commercial companies, Cloud means easier for customers, cheaper for users and more available for us company. WebClient is a developing modernized cloud product, which is based on SAP Business One and used for small and medium enterprise. It appreciated a lot from a preview for customers and will be released with Business One 10.0 version.

However, things cannot always go smoothly. We found backend have some defects and need do refactor. It could might have many regressions and bugs introduced. Thinking of a massive of tens and thousands of lines of code that means a great risk for us to do such a hard work.

**Analysis:**

We come up with an idea that base on existing business objects records values in HANA database, WebClient’s records must be the same for most fields. We can easily draw a conclusion that if some columns are different, something must be wrong inside. So, we can analysis it and fix it for sure.

**Solutions:**

B1 Object Compare is designed for such works. We QA and Dev and use it simplify and easily to catch the different columns, report them and modify them to correct behaviors. They can do such boring compare works from nearly one hour to one minute by using it. It can also provide other related features like save result to files and capture the screen for reporting, which could be very happy for QA.

**What’s more:**

even though current WebClient only contains the most import Business Objects like Sales Orders, Items , Business Partners and Activities, the tool can also add other Business Objects dynamically in further for using. There is no need to redesign it, no need to redevelop it and so, no need to spend more effort for it.

**Authors:**

The idea is inspired by Jina and lead by Jason, developed and maintained by Zhengya.