Doris Improvement Proposals

This page describes a proposed Doris Improvement Proposal (DSIP) process for proposing a major change to Doris, inspired by [Flink Improvement Proposals](#).

**Doris Improvement Proposal (DSIP)**

1. **Purpose**
   
   Issue or Jira is mainly used for tracking tasks. DSIP, on the other hand, can be thought of as a *Collection of Design Documents for all Major Feature Updates or Improvements*.
   
   Doris is a large and complex project, so when we design and develop some big functional modules, we need to design and discuss them in detail to avoid subsequent unnecessary refactoring or bug fixes.
   
   At the same time, detailed design documentation can also help all developers in the community to more easily understand the motivation, requirements and detailed design of the features.

2. **What is considered a "Major Updates or Improvements" that needs a DSIP?**
   
   - Large complex functional modules
   - Large refactoring of existing functions
     - Refactorings that may lead to changes in development specifications
     - Refactorings that affect important user interfaces

   We welcome a brief discussion in the dev@doris mail list to determine if the feature requires a DSIP.

3. **What should be included in a DSIP?**
   
   A DSIP should contain the following sections:
   
   - **Motivation**: describe the problem to be solved
   - **Related research**: some research related to the function, such as the advantages and disadvantages of the design, related considerations, etc.
   - **Detailed design**: the detailed design of the function.
   - **Scheduling**: specific implementation steps and approximate scheduling.

4. **Who should initiate the DSIP?**
   
   Anyone can initiate a DSIP but you shouldn't do it unless you have an intention of getting the work done to implement it.

5. **Process**
   
   Here is the process for making a DSIP:
   
   1. start a discussion in the dev@doris to determine if you need a DSIP, the title of the mail can be [Discuss][DSIP] your subject. The final DSIP number will be determined during the email discussion.
   2. After confirming, if you don't have wiki editing rights, please register a wiki account first, then send it to the dev@doris, and a Doris PMC member will open editing rights for you.
3. create a new DSIP page with the title \textbf{DISP-100: your subject}.

\begin{enumerate}
\item DSIP [Discuss][DSIP] your subject DSIP
\item wikiwiki dev Doris PMC
\item DSIP DISP-100: your subject
\end{enumerate}

\section*{6. About Language}

Probably most of the current Doris development comes from China, so we do not refuse to use Chinese to write DSIP, because when describing some complex content, it may be easier to express clearly in Chinese.

For DSIPs written in Chinese, Doris PMC members will assist with English translation when appropriate.

However, we still \textbf{Strongly Recommend Writing the DSIP in English} to ensure that developers from any country can understand the content. You can translate the DSIP in Chinese using online translation software such as google translator, and provide both English and Chinese versions.

DorisDSIP
DSIPDoris PMC

\textbf{DSIP}
google translator