# The livelog of Galaxy

## 1 Why does Galaxy come?

Currently, WDM Group has a big project named WebStudio. One of the most important modules of WebStudio is a distributed execution environment. Dryad (SVC) and Nebula (MSN) are two existing similar systems, but they both don’t satisfy our requirements. Wse have at least two choices:

* Make modifications on Dryad or Nebula

This approach seems to be easier. But the modifications also mean we should be very familiar with the code base of Dryad or Nebula. The effort of this approach maybe isn’t that trivial as we have expected.

* Build a distributed execution environment from scratch

This approach seems to be difficult. But a distributed execution environment which satisfies some specific requirements is not that hard. The advantage is that we will have a system which is fully under our control finally.

Although some guys think that building the system from scratch in the research group is crazy, I think that it’s worth to do that.

Galaxy is an unofficial project which will cost most of Guomao’s spare time.

## 2 Diary of Galaxy

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| **Date** |  |
| Oct 23, 2006 – Oct 24, 2006 | Guomao is writing the design document of Galaxy |