

TO: Amanda Smith, CTO

FROM: Lukas Berger, Software Developer; Christopher Beiser, Software Developer

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SUBJECT: Programming Language Choice for Super-Hot Project

We have comprehensively assessed the possible languages for the upcoming Super-Hot Project and we have concluded that Python 3.4 will be the best choice for our organization. There are several characteristics that make this language the ideal candidate for our business needs, including the language's maturity and wide-adoption.

We have determined that, given the project's complexity, the language will need to support the following features:

- modularity
- automatic unit testing
- reading and writing JSON
- dealing with TCP/IP sockets
- constructing graphical user interfaces

Python 3.4 supports all of these features natively, and given its maturity and wide adoption in the industry, we believe that it is highly suitable for scalable enterprise applications, such as the Super-Hot Project. Additionally, many of our current developers are already highly skilled in Python, including many at our Foomanistan subsidiary. This will substantially decrease development time and maintenance costs. Finally, the machines of both our first customer and our developers are already equipped with the necessary components needed to run the code, which promises to keep the deployment costs at a minimum.

We believe that Python 3.4 represents an adaptive strategy for solving our critical business needs. Choosing this language will not only keep our development and maintenance costs down, but also streamline the deployment process. We will be glad to discuss our choice further with you, if necessary.