



Partnership for International Research and Education A Global Living Laboratory for Cyberinfrastructure Application Enablement

Project Title: Create Virtual Images with Customization to Facilitate Cloud Computing Environment

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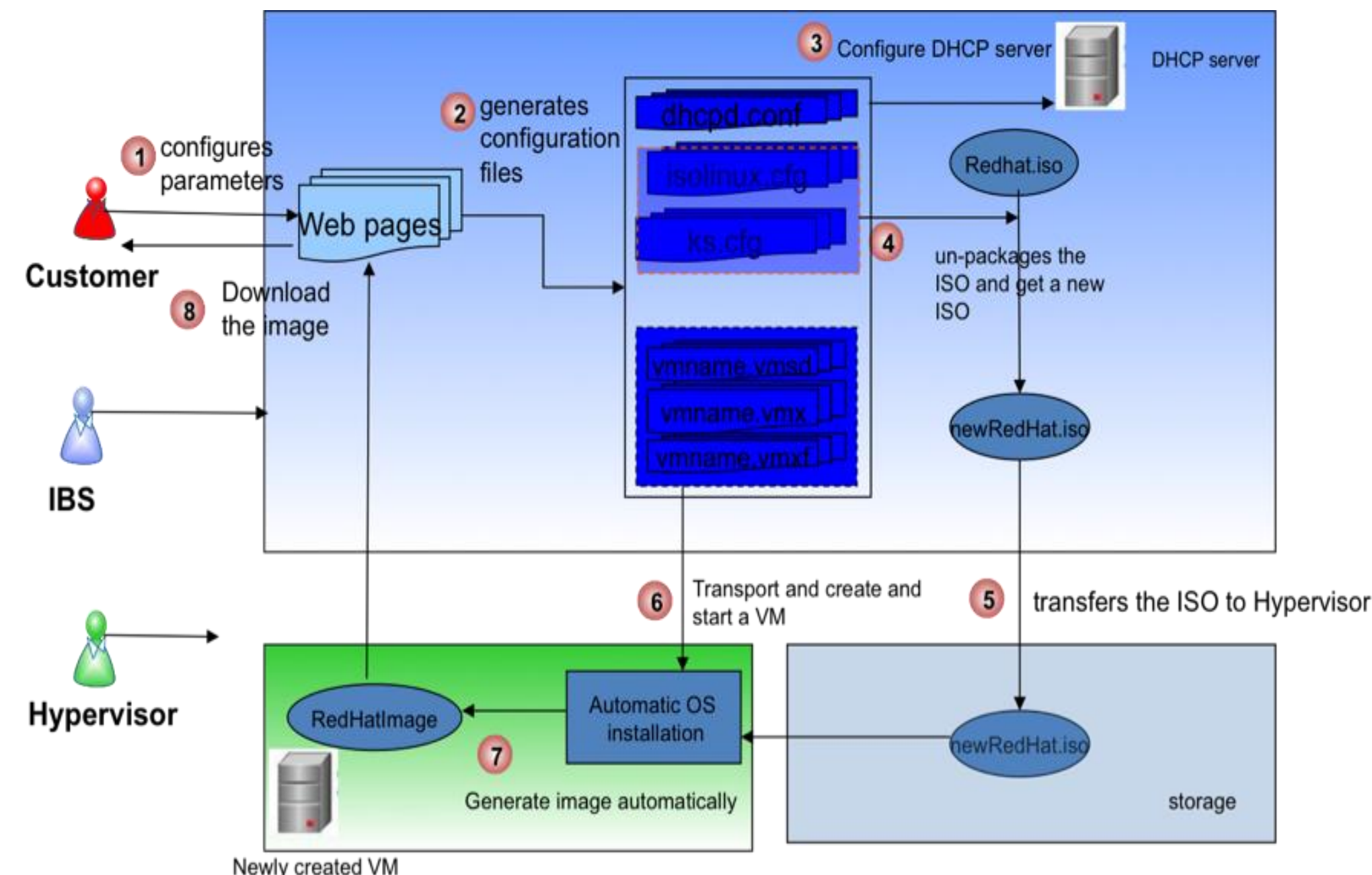


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Foundation

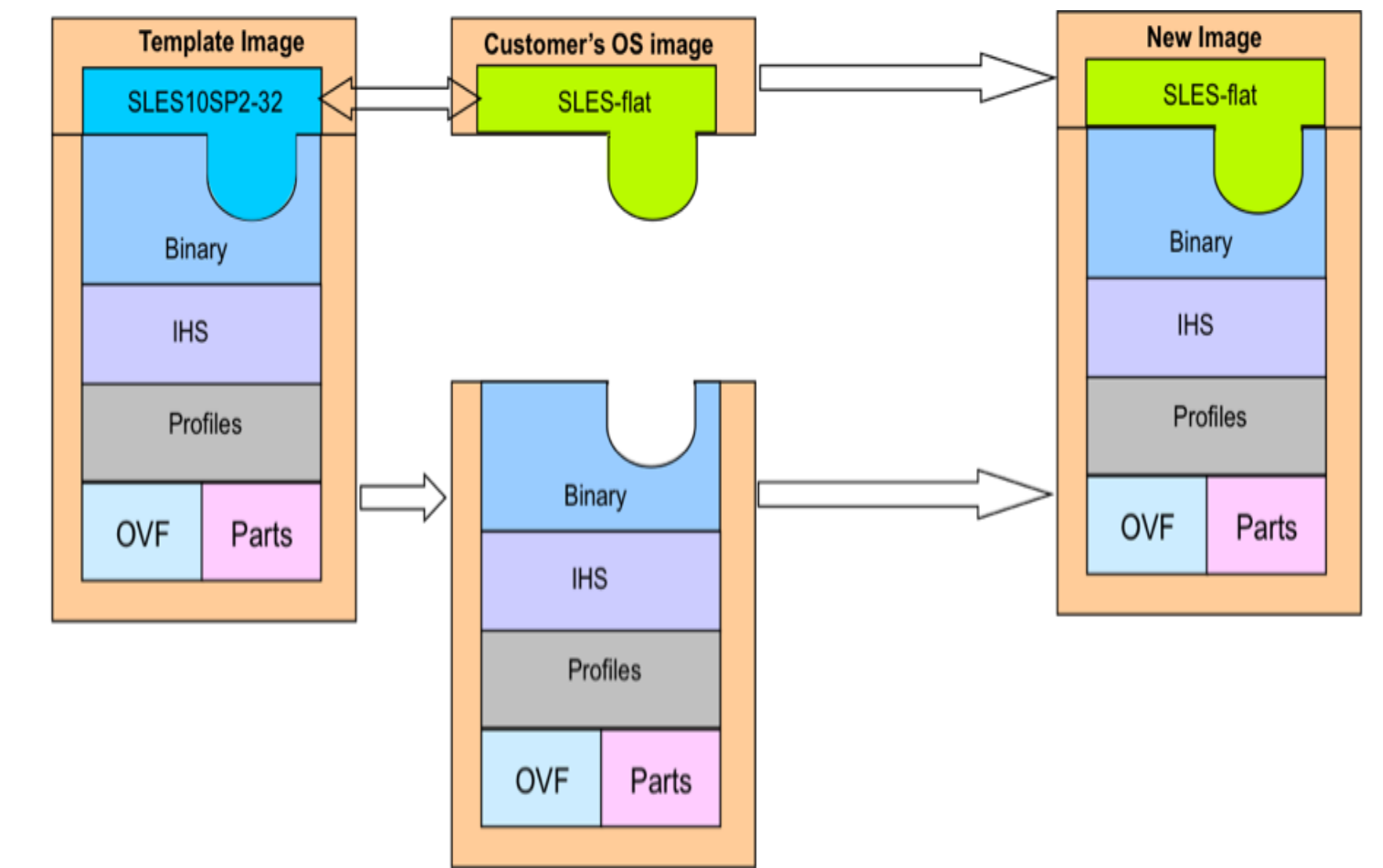
I. Research Overview and Outcome

Project description:

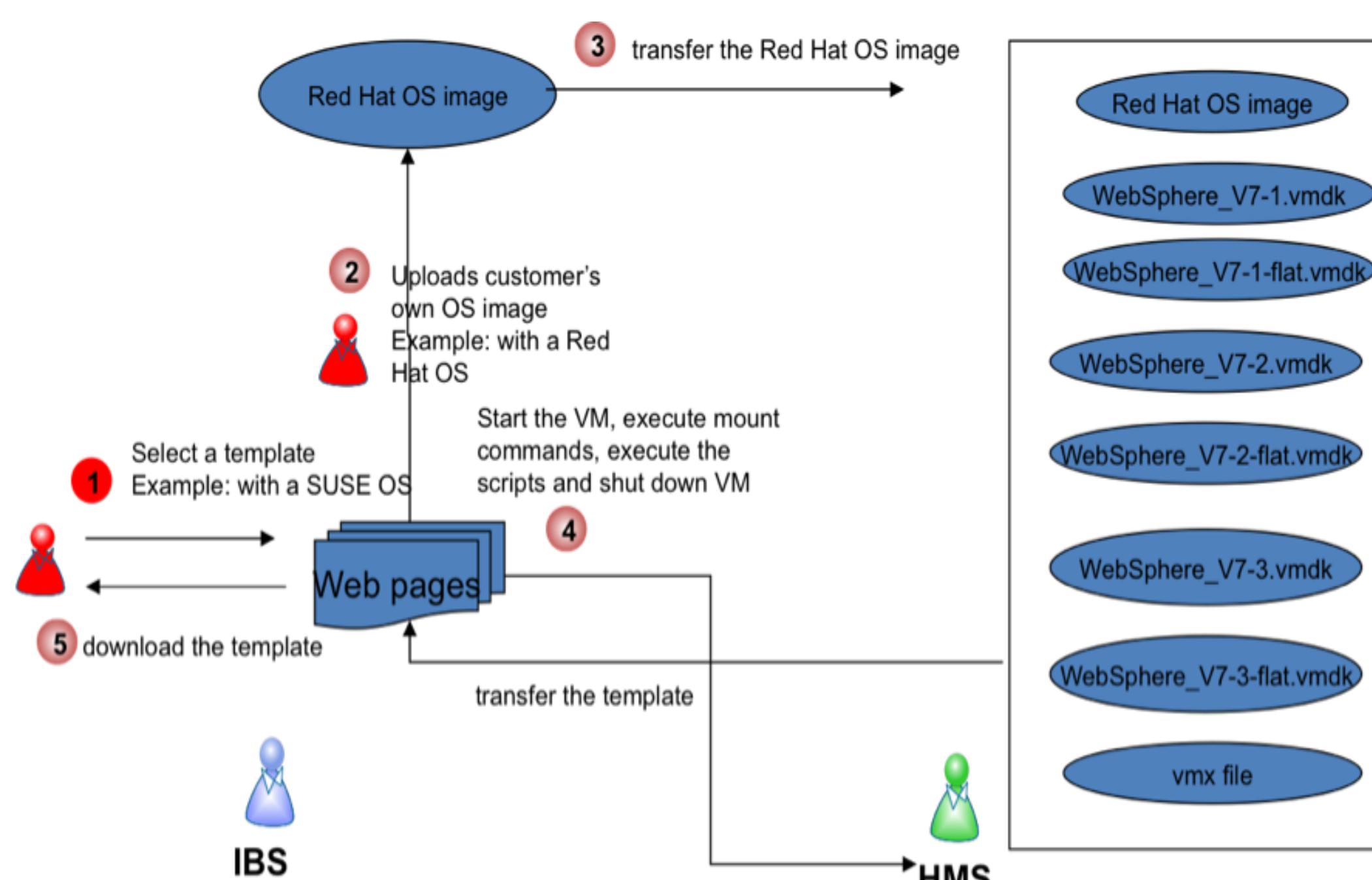
Virtual images are the fundamental component of Virtualization. Virtual Image Creation and Extension is fundamental for facilitating and building Cloud Computing environment. It is a critical function for generalizing the procedures of building virtual images and patterns that can be consumed by Websphere Cloud Burst Appliance and other IBM clouds products. In computer and information sciences, it is the visual representation of a domain space using virtualization, automated sequences, data repository and software engineering. In this joint project, we worked on virtual image creation and extension with operation system automation and software bundle installation. A detailed implementation plan and algorithm for automatic virtual image creation with a special concentration on OS automation and software bundle addition was recommended after a careful survey of the existing works on virtualization related techniques.



OS Automation Process



Disk Swap



Build Your Own OS Process

Results:

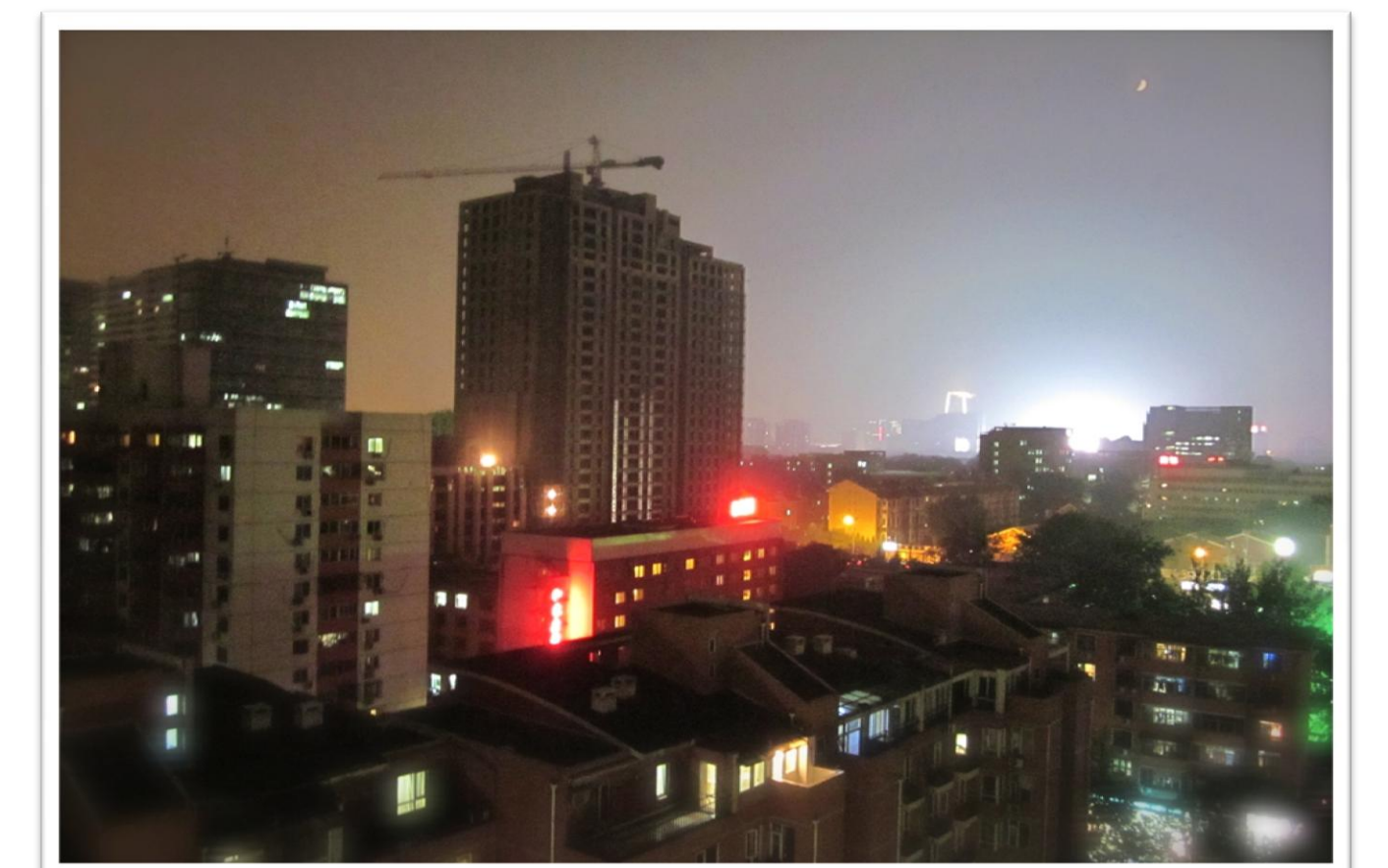
The project has been done and as a result of this research a paper draft was done.

II. International Experience



Beijing, China

I can present to you many pictures of famous China landmarks but you can see those anywhere on Internet. Now what they don't show is how it is to actually live in China. I didn't take pictures of those because they can be misinterpreted. It is best to experience it for yourselves as it is quite a great experience.



III. Acknowledgement

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