

# 授業やゼミ向けの画面配信システム TreeVNC の機能拡張 Improvements of Screen Sharing System TreeVNC

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## 1 Abstract

I improved of screen sharing system TreeVNC. VNC is an application that can share the screen via the network. TreeVNC is an distributed application that can be load balance sharing the screen via the network.

Usual VNC is designed that load is concentrated to distributor. For example, when performing screen sharing using VNC in lectures, load on the distributor would increase in proportion to the increase of the client, the processing performance decreases.

TreeVNC connecting each clients in a tree structure. TreeVNC is realized the load balancing by flowing from the top to the bottom of the tree data that parent has been delivered screen data.

TreeVNC can switch the connection to the VNCServer per screen distributor. As a result of TreeVNC can be switched easily presenter.

In this paper, I refactoring TreeVNC, easier to use, and easier to debugging. Furthermore, I improved of the features that enable TreeVNC from a remote location.

## 2 研究目的

## 3 リファクタリング

## 4 新機能

## 5 まとめ

## 参考文献

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