



## Design of Collaborative Platform on Clustering Applications for Governments

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### ABSTRACT

Collaborative platform on clustering applications for governments consists of six large-scale systems, including the clustering Government Internet portal system, clustering public-mailboxes collaboration system, clustering government affairs portal system, clustering emergency information collaboration system, clustering office automation collaboration system, and clustering messages collaboration systems. The application and technology architectures of the collaborative platform are elaborated in this paper, and the major key technologies on the platform are also expounded, which includes realization of many governments applications' scale integration and collaborative application, business model driven software development platform based on SOA, SSO, trans-departmental and cross-level multi-engine clustering protocol. Based on the "clustering application" design, to maximize the utilization of hardware, software resources and administrative resources of the provincial government collaborative platform, rural districts and counties can build their own platforms based on the provincial platform. The platform having been running for over 2 years shows that planning of urban and rural e-governments' construction and maintenance is achieved, thus reducing costs greatly and improving governments' functions.

### KEYWORDS

clustering applications, collaborative applications, single sign on, components, e-government

### Cite this paper

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