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#### INFRASTRUCTURE OF NOTIFICATION SERVICE IN SYSTEMS OF PUBLICATION/SUBSCRIPTION

The paper deals with infrastructure of notification service, which is different from other prototypes by having several important characteristics like suite of routing algorithms instead of a unified routing scheme. This suite can be complemented with new ones and allows to test and compare different algorithms, including the newly derived in a unified environment whereas other services usually offer fixed set of filtration restrictions. The developed system works with the powerful, flexible, and easily expandable structure of filtration, which supports routing optimization. It also supports playback functions of reproduction of the past notifications and service factories which call for subscription events and desubscription that are automatically published by the system infrastructure when the client makes or cancels a subscription.

**Keywords:** notification service, events, suppliers, consumers, event log, factory of services, the publication/subscription.

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