Smart Documents for Home Automation

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Abstract. This work describes the use of well known computer applications to empower smart home users to monitor and control their homes using customized documents. Middleware software written using applescript and perl-cgi was used to integrate existing computer applications with the OpenWebNet protocol used in home automation. The events triggered by the applications are easily log by web and mail servers to facilitate diagnostic operations and their archival. This software was tested on the implementation of "The Smart Door Project" to remotely manage door access, monitor the door and archive the events. One of the features is that the door opens after the user receives an e-mail with the magic words "Apriti Sesamo" in the subject field, and "Alibaba" in the text.