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an act of determining access permissions below the data structure level.

**37.** A method as recited in claim **8**, wherein each of the one or more role list documents are specific to a particular requesting entity.

**38.** A method as recited in claim **1**, wherein the computerized service comprises a calendar service having a corresponding calendar service schema.

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**39.** A method as recited in claim **1**, wherein the computerized service comprises a notification service having a corresponding notification service schema.

**40.** A method as recited in claim **1**, wherein the computerized service is external to the plurality of role map documents.

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