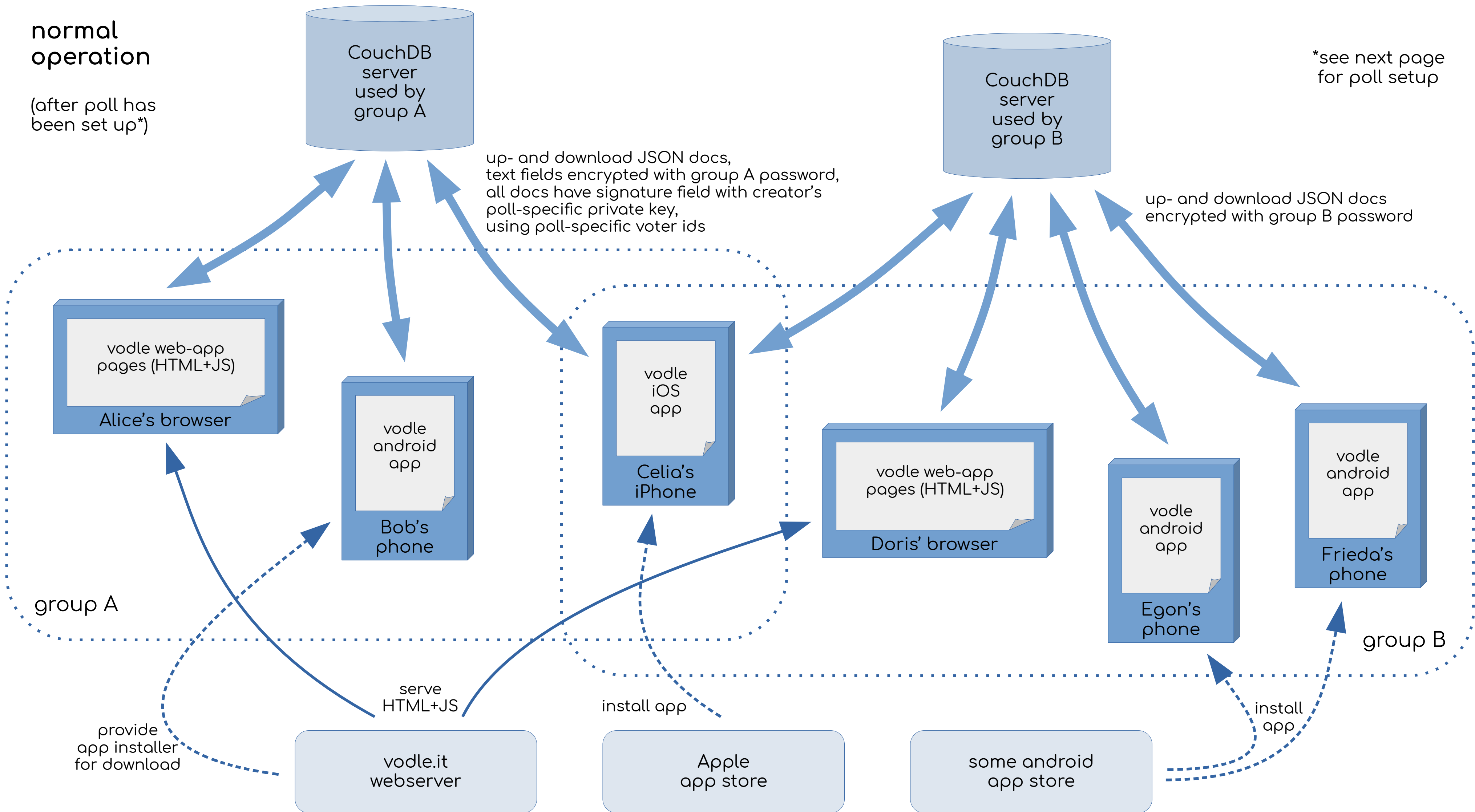


## normal operation

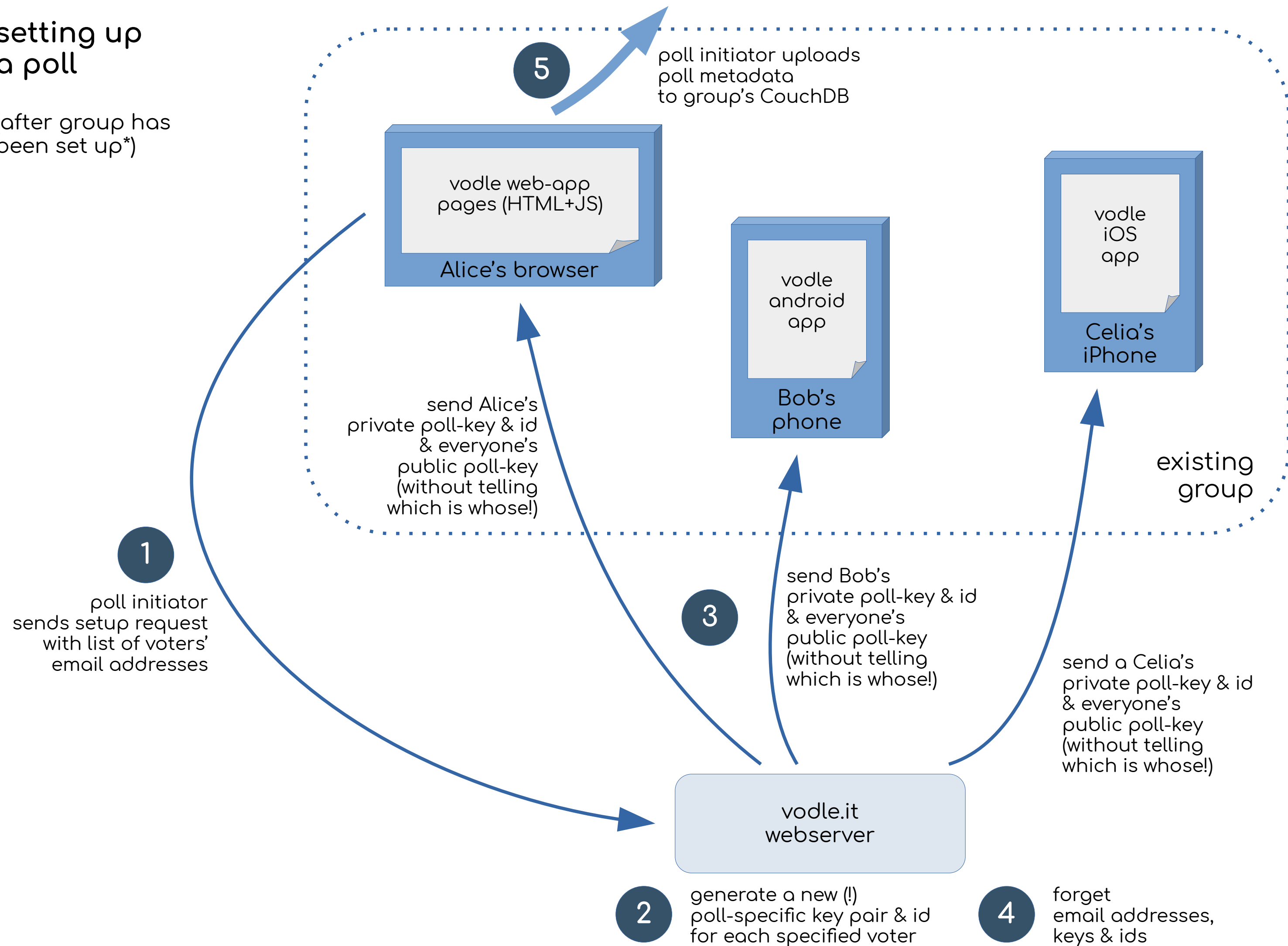
(after poll has been set up\*)

\*see next page for poll setup



## setting up a poll

(after group has  
been set up\*)



### rationale:

- all exchanged data (individual text fields) is encrypted with group password, only group members but no server knows the password.
- all uploaded data document is signed with a poll- and voter-specific private key, all members know the set of corresponding public keys but not which key is whose.
- each poll uses new voter ids
- hence every member can verify data is from some authorized poll voter but not from whom, and cannot correlate data from same voter across polls
- vodle server knows only the identity of the voters but not which DB server they use and cannot access any data
- CouchDB does not know identity of voters or content of data

setting up  
a group

