Erratum to: On Replica Placement in High-Availability Storage Under Correlated Failure

K. Alex Mills^(✉), R. Chandrasekaran, and Neeraj Mittal

Department of Computer Science, The University of Texas at Dallas,
Richardson, TX, USA

{k.alex.mills, chandra, neerajm}@utdallas.edu

Erratum to:
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On page 351 of the original version of the paper, there was a typo in the formula defining the lexicographic order. Because the failure aggregate was indexed using *decreasing* indices, the direction of one of the inequalities should be reversed. The corrected formula is stated below:

$$f(P) \leq_L f(P') \iff \exists m > 0, [\forall i > m : p_i = p'_i] \wedge p_m \leq p'_m.$$

In the proof of Theorem 1 on page 354, the last sentence of paragraph 3 was modified to read as follows: “Let S^- (resp. S^+) be the set of nodes whose failure numbers change *from* α (resp. change *to* α), as a result of the swap.” The modified words have been italicized for emphasis. This phrasing is consistent with the formal definitions of S^+ and S^- given immediately below, which are correct as stated in the original paper.

At the top of page 356, the function **Label-Children** should take as arguments the set $\{c_1, c_2, \dots, c_k\}$, and a number r . The parentheses were suppressed during editing.

Starting from the statement of Theorem 2 on page 356, terms such as $k, \frac{|U|}{k}, \frac{|U|-1}{k}$, and $|U| \bmod k$ begin to appear in several formulas. With the usual meaning of $|U|$ and k the formulas do not read correctly. In the corrected paper, we have introduced a new term, R , which denotes the number of replicas to be distributed among the unfilled children. If F and U are the sets of filled and unfilled children of node u found by Algorithm 1, then R is formally defined as $R = r(u) - \sum_{c_i \in F} \ell_i$. In each of the terms mentioned, replace each instance of $|U|$ by R and each instance of k by $|U|$. With these changes, the paper reads correctly.

The updated original online version for this chapter can be found at [10.1007/978-3-319-26626-8_26](https://doi.org/10.1007/978-3-319-26626-8_26)