





```
(defn created-by-details! [metadata-service {:keys [created-by] :as doc}]
  (let [{:keys [name email]
         :or {name "Unknown" email "Unknown"}}
        (user-by-id! metadata-service created-by)]
    (merge doc {:createdByName name :createdByEmail email})))
(defn with-metadata! [metadata-service doc]
  (some \rightarrow > doc
           (created-by-details! metadata-service)
           (updated-by-details! metadata-service)))
```



