



DAMOVO

Security - rethought!



Change Driver

A non-profit institution offers a wide range of support services for people with disabilities on a large campus with several buildings.

The IT Manager of the institution organized for Damovo to conduct a security quick check. Several weaknesses in security were identified in the areas of ISMS, system architecture, and the "human" attack surface.

The organization's internal IT resources were limited and so he asked Damovo for support in both implementing the urgently required security adjustments and ensuring their reliable operation.



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```
177 $totals = array();
178 'taxes' => &$total;
179 'total' => &$total;
180
181 $old_taxes = array();
182 $lpa_tax = array();
183
184 $sort_order = array();
185
186 $results = $this->model_extension->getExtensions('total');
187
188 foreach ($results as $key => $value) {
189     if (isset($value['code'])) {
190         $code = $value['code'];
191     } else {
192         $code = $value['key'];
193     }
194     $sort_order[$key] = $this->config->get($code . '_sort_order');
195 }
196
197 array_multisort($sort_order, SORT_ASC, $results);
198
199 foreach ($results as $result) {
200     if (isset($result['code'])) {
201         $code = $result['code'];
202     } else {
203         $code = $result['key'];
204     }
205 }
206
207 if ($this->config->get($code . '_status')) {
208     $this->load->model('extension/total/' . $code);
209 }
210
211 // We have to put the totals in an array so that they pass
212 // by reference.
213 $this->{'model_extension_total_' . $code}->getTotal($
214     total_data);
215
216 if (!empty($totals[count($totals) - 1]) && !isset($totals[
217     count($totals) - 1]['code'])) {
218     $totals[count($totals) - 1]['code'] = $code;
219 }
220
221 $tax_difference = 0;
222
223 foreach ($taxes as $tax_id => $value) {
224     if (isset($old_taxes[$tax_id])) {
```

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Damovo Approach

Damovo firstly renewed the security system architecture. Cisco solutions were used to protect the endpoints and the central security units including DUO Auth, AMP, ISE (Network Access Control), ESA (Email Security Appliance), Umbrella, AnyConnect and Meraki MX Firewall.

In addition, the Phishing Security Awareness solution from KnowB4 was installed, which is intended to continuously sensitise employees to attacks by sending out phishing mails.

Damovo was awarded the service contract for the operational capability of the SW solutions. The company was also given the task of visualising the vulnerabilities reported by the applications, analysing them and providing recommendations for action to close the security gaps.

The virtual CISO service from Damovo also provides continuous support in expanding the Information Security Management System (ISMS).



Customer Value

How the **IT Manager** benefits:

- Critical security gaps have been closed and the operation of the security architecture has also been secured.
- There is now room for the steady expansion of an ISMS that offers sustainable protection, supported by Damovo's vCISO.

How the **company** benefits:

- Continuous awareness training to sensitise employees to security attacks strengthens the "best" line of defence against cyber security: the individual.
- Rare expert knowledge and permanent support did not have to be built up by the company itself but are immediately and reliably available through Damovo's Managed Security Service.