

Comprehensive cybersecurity measures
for non-profit organisation



Change Driver

A non-profit organisation offers a wide range of support services for people with disabilities in all areas and phases of life on a large campus with several buildings.

The organisation's IT manager had Damovo carry out a cybersecurity quick check in advance. This identified security-relevant vulnerabilities in the areas of the Information Security Management System (ISMS), system architecture and the 'human' attack surface.

As its internal IT resources are very limited, it asked Damovo for support in implementing the urgently needed adjustments from the quick check and ensuring reliable operation.

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```
177 $totals => $total
178 'taxes' => $total
179 'total' => $total
180
181 $old_taxes = $total;
182 $lpa_tax = array();
183
184 $sort_order = array();
185
186 $results = $this->model_extension_extension->getExtensions('total');
187
188 foreach ($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])) {
```

```
354
355
356 Carousel.prototype.getItemForD
357     this.$items = item.parent().
358     return this.$items.index(ite
359 }
360
361 Carousel.prototype.getItemForD
362     var delta = direction == 'pr
363     var itemIndex = this.getIt
364     return this.$items.eq(itemIn
365 }
366
367 Carousel.prototype.to = functi
368     var that = this
369     var activeIndex = this.getIt
370
371     if (pos > (this.$items.lengt
372
373     if (this.sliding) return
374     if (activeIndex == pos) retu
375
376     return this.slide(pos > acti
377 }
378
379 Carousel.prototype.pause = fun
380     e || (this.paused = true)
381
382
383     if (this.$element.find('.nex
384     this.$element.trigger($.su
385     this.cycle(true)
386 }
387
388 this.interval = clearInterval
389
```



Damovo Approach

Firstly, Damovo modernised the security system architecture. Solutions from Cisco were used to protect the endpoint and the central security units: DUO Auth, AMP, ISE (Network Access Control), ESA (Email Security Appliance), Umbrella, AnyConnect and Meraki MX Firewall.

The Phishing Security Awareness solution from knowB4 was also installed. This is designed to continuously sensitise employees to attacks by playing out phishing emails.

On the one hand, Damovo received the service contract for the operability of the software solutions. On the other hand, Damovo was also tasked with making the vulnerabilities reported by the applications visible, analysing them and making recommendations for action to close the security gaps.

Damovo's virtual CISO also provides continuous support in the expansion of the ISMS.



How the **IT Manager** benefit

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 sensitisation of employees to security attacks through awareness training strengthens the best 'line of defence' against cyber attacks: people.

Expert knowledge and ongoing support do not have to be time-consuming to build up yourself but are immediately and reliably available thanks to Damovo's Managed Security Service.