



**SCW**  
Security Camera Warehouse

## Magento 1 to Magento 2 Migration

# ABOUT SECURITY CAMERA WAREHOUSE

Security Camera Warehouse is one of America's leading providers of security camera systems. The company was originally founded as a DIY solution provider and has grown to serve commercial-grade surveillance needs, with a client base that includes NASA, the U.S. Army, the PGA Tour, the U.S. Department of Homeland Security, GM, and 3M.

It is known for its exceptional customer service and technical support, the company aims to provide advanced **surveillance technology** with progressive wireless options, including Wi-Fi and wire-free security cameras.



[www.getscw.com](http://www.getscw.com)



## Services Provided

- Magento 1 to Magento 2 Migration
- Integration with multiple third-party extensions and services

Platform



```
320 if is_x64os() and access_type == 'WRITE':
321     write_value(key_path, key_value, access_type)
322     write_value(key_path, key_value, access_type)
323     return
324
325 registry_key = None
326 wow64_flags = WOW64_MAP[access_type]
327 try:
328     key_hive_value = HIVES_MAP[key_hive]
329     if isinstance(value_type, RegistryValueType):
330         value_type = TYPES_MAP[value_type]
331     registry_key = winreg.OpenKey(key_path, value_type)
332     winreg.SetValueEx(registry_key, None, 0, value_type, key_value)
333     winreg.CloseKey(registry_key)
334     return True
```

## Challenges Faced

### Data Migration

The client wanted to migrate data from **Magento 1.9.3** to **Magento 2.3.3**, ensuring accuracy and completeness while minimizing disruptions to the business's website.

### Custom Product Features

Implementing complex **product options** such as customizable options and bundle products while maintaining ease of use for customers has to be taken care of.

### Third-party Integrations

Integrating multiple **third-party extensions** was necessary, including Klevu, Cart2Quote, and Mirasvit Advanced Reports, and ensuring compatibility with the new platform.

## Solutions Offered

### Magento 2 Data Migration

Klizer experts used (Adobe Commerce) Magento's data migration tool to ensure a smooth and accurate transition from Magento 1 to Magento 2.

### Custom Product Features

Implemented advanced modules for simple bundle products and customizable options using Mageworx and webhooking techniques.

### Third-Party Integrations

Integrated various third-party solutions such as Klevu for search optimization, Cart2Quote for quotation management, and Mirasvit Advanced Reports for analytics and for new website implementation.

### Security Enhancements

Implemented the "Hide Product Price" extension to restrict pricing visibility for non-registered users.



## Features Utilized

- **Data Migration Tool:** Efficient migration from Magento 1.9.3 to 2.3.3 using the official Magento data migration tool.
- **Simple Bundle Products:** Integrated a system to display and manage simple bundle products.
- **Customizable Product Options:** Enabled dynamic, customizable product options with the Mageworx advanced custom options module.
- **Cart2Quote:** Allowed customers to request quotes directly on the frontend, with backend management for administrators.
- **Klevu Search Integration:** Optimized product search experience with a cloud-based search solution, providing customized and relevant results.
- **Mirasvit Advanced Reports:** Enhanced analytics suite for better tracking and reporting.
- **TaxJar Integration:** Automated tax calculations for enhanced checkout accuracy and compliance.

### Impact



#### Improved Conversion Rates:

The Magento 2 migration led to increased site speed and performance, directly improving conversion rates.



#### Enhanced Customer Satisfaction:

The implementation of features like Cart2Quote and advanced product customization options improved the overall shopping experience.



#### Better Reporting and Analytics:

The integration of Mirasvit Advanced Reports enabled better business insights and improved decision-making processes.

## Result & Key Metrics

- The migration from **Magento 1 to Magento 2** improved website stability and functionality with minimal disruption.
- Custom features, better search, and reporting boosted customer satisfaction.
- **Magento 2**, with optimized integrations, enhanced website performance, and competitiveness.



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